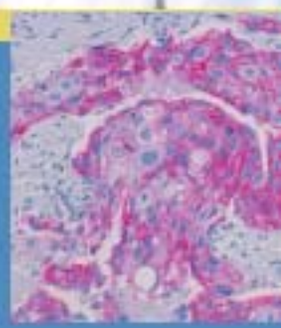
2011/2012

ANATOMICAL PATHOLOGY PRODUCT AND SERVICE CATALOGUE

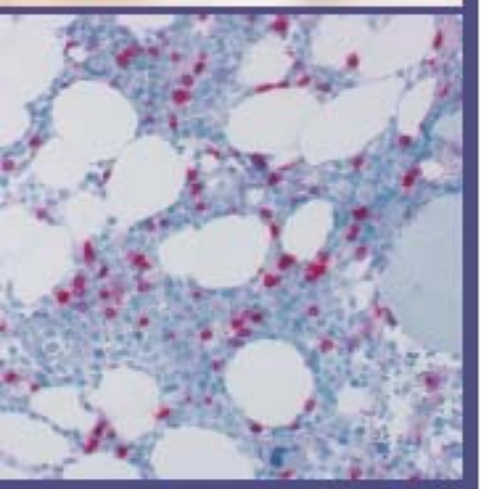
Comprehensive Solutions for Anatomical Pathology Laboratories



- Histology
- Cytology
- Pathology Workstations
- Immunohistochemistry

Part of Thermo Fisher Scientific

Thermo SCIENTIFIC



Dear Valued Customer,

Behind every sample on a slide is a laboratory professional working to ensure a correct diagnosis for the patient, every time. We recognise the importance of your job and support your efforts by providing quality instrumentation and consumables, expert service and knowledgeable application staff you can rely on.

The Thermo Scientific brand includes the most complete line of anatomical pathology equipment and consumables, from specimen collection and grossing to advanced staining and coverslipping. With a keen awareness of what it takes to run today's LEAN laboratory environments, we are committed to developing innovative products that answer the laboratory's toughest challenges. This innovation also comes with a commitment to the highest product quality standards. We're here to help with solutions for a more efficient, safer and productive lab environment.

Providing the best product for your laboratory is just step one. Just as important is our commitment to providing expert service. We offer a wide-ranging direct sales, distributor and customer service network that works to maintain up time and provide solutions to meet your laboratory's unique needs. Wherever you are in the world, you have access to our Thermo Scientific brand. Globally, we service more than 100 countries with our subsidiaries and extensive distribution partner network.

With a comprehensive line of laboratory diagnostic products and solutions for histology and cytology for both clinical and research institutions, you can count on us to support you – the face behind the glass.

Sincerely,

Kirk Kimler
President
Anatomical Pathology

TECHNICAL SUPPORT AND FIELD SERVICE	ii - vii
LABELLING AND VERIFICATION	2 - 11
TISSUE PROCESSING	12 - 20
EMBEDDING	21 - 27
CRYOTOMY	28 - 43
MICROTOMY	44 - 62
SLIDE STAINING	63 - 67
COVERSLIPPING	68 - 71
ARCHIVE AND STORAGE	72 - 79
CONSUMABLES	80 - 131
CYTOSPIN	132 - 134
CYTOFUNNELS	135 - 138
CTYOSLIDES	139
CYTOLOGY CONSUMABLES	140 - 144
PATHOLOGY WORKSTATIONS	145 - 165
IHC INSTRUMENTS	166 - 170
TRADEMARK INDEX	171
ALPHABETICAL INDEX	172 - 176
NUMERICAL INDEX	177 - 185

Product Support / Instrument Service

In-house Technical Product Support

- Available by specific product group
  - Assures you receive the support you are looking for, for the instrument you have.
- Support by factory-trained technicians.
  - Call this group for assistance, questions, or troubleshooting regarding your instrument.

Field Service Technicians

- Factory-trained technicians sent to your facility as soon as possible.
  - National coverage through a network of Direct Field Service Technicians.
- Assured support when you need it the most within your facility.
  - Factory-trained technicians with deep understanding of our instrumentation dispatched to your location.
- Provide confidence that your instrument will perform to your satisfaction after a repair.
  - Ensures only genuine replacement parts are used to repair your instrument.

Our instruments come with a comprehensive parts and labour warranty (1 full year for a new instrument); the primary objective is to provide you with a quality instrument. Our warranty is tied directly to assuring your new instrument is fully covered and performs to your satisfaction.

In-House Instrumentation Repair Technicians

- Factory-trained technicians with deep understanding of our instrumentation are available as needed.
- Offering depot repair facilities for in-depth instrument repairs.
  - The goal is to assure your instrument is serviced completely when shipped to our Depot.

Direct Technical Support

+44 (0)800 169 6694

**** We offer on-call support after hours for technical emergencies that involve tissue at risk.***

Customer Service

Order Placement and Product Inquiries

We know how busy you are, that your time is valuable, and that you want to do business with a partner you can rely on. When you call into our Customer Care Service Department, your call will be answered by a live person in seconds: worldclass response by highly trained Customer Care Service Representatives who care about your business!

Our team services the following Thermo Scientific Anatomical Pathology Products and Services:

- Richard-Allan Scientific
- Shandon
- Microm
- R.A. Lamb
- IHC LabVision

Call-in Orders and Order Status

+44 (0)800 018 9396 - Option 1

Hours of Operation	**8am - 5pm (GMT)** ***Monday to Friday***
Fax your enquiries	**+44 (0)1928 534 049**
e-mail your enquiries	**sales.ap.uk@thermofisher.com**

Do you have items that you order the same quantity of on a weekly or monthly basis?

Standing orders are easy to set up and save you time. Ask your Customer Service professional today!

E-mail and fax orders are entered into our ordering system on the same day. For order accuracy and improved billing, please validate your purchase order for:

- Accurate “ship to” and “bill to” addresses
- Your contact information, including fax and phone
- Special shipping and handling instructions
- Auto confirmation through email
- Payment terms of Net 30
- Vendor information:

  Thermo Shandon Limited
  Subsidiary of Thermo Fisher Scientific Inc.
  Tudor Road, Manor Park, Runcorn, Cheshire,
  WA7 1TA

“... highly trained Customer Care Service Representatives who care about YOUR business!”

Thermo Fisher Scientific Centre of Excellence for Anatomical Pathology

Centre of Excellence for Anatomical Pathology

- Located in Runcorn, in the North West of England, the new Thermo Fisher Scientific Centre of Excellence opened for business in 2009. Currently covering some 85,000 ft², this state of the art facility can be enlarged by a further 60,000 ft² to accommodate planned future growth.
- As well as providing enlarged facilities for: Research and Development, Instrument and Chemical Production, Customer Excellence, Engineering and Shipping the new site features a 3400 ft² Customer Applications Laboratory and a 2,500 ft² Customer Training and Demonstration Suite.
- The availability of these latter two resources, combined with an enlarged in-house applications and training team, allows us to offer new levels of service and support to all users of Thermo Scientific Anatomical Pathology products.

Applications support

- Whether you need assistance with implementation, troubleshooting or any other issue related to obtaining the best performance from the Thermo Scientific Anatomical Pathology products you purchase from us, our Applications Teams are here to help.
- By using a single group email address:

  applications.ap.emap@thermofisher.com

  you can contact us for support on all areas related to our comprehensive range of products for Histology and Cytology, from specimen collection and grossing through to advanced staining, coverslipping and LIS connectivity.
- The availability of a new Applications Laboratory further expands the scope of the support we can offer. The ability, for example, to replicate, test and troubleshoot your procedures on-site, without the need for field visits, allows for faster outcomes and less disruption to your routine.

Applications Support Hotline

+44 (0)800 018 9396 - Option 3

Promotion of Best Practice

- As a user of Thermo Scientific instrumentation for Anatomical Pathology you can register to be automatically alerted to new applications and protocols, best practices and relevant training events; Simply e-mail the applications team at:

  applications.ap.emap@thermofisher.com

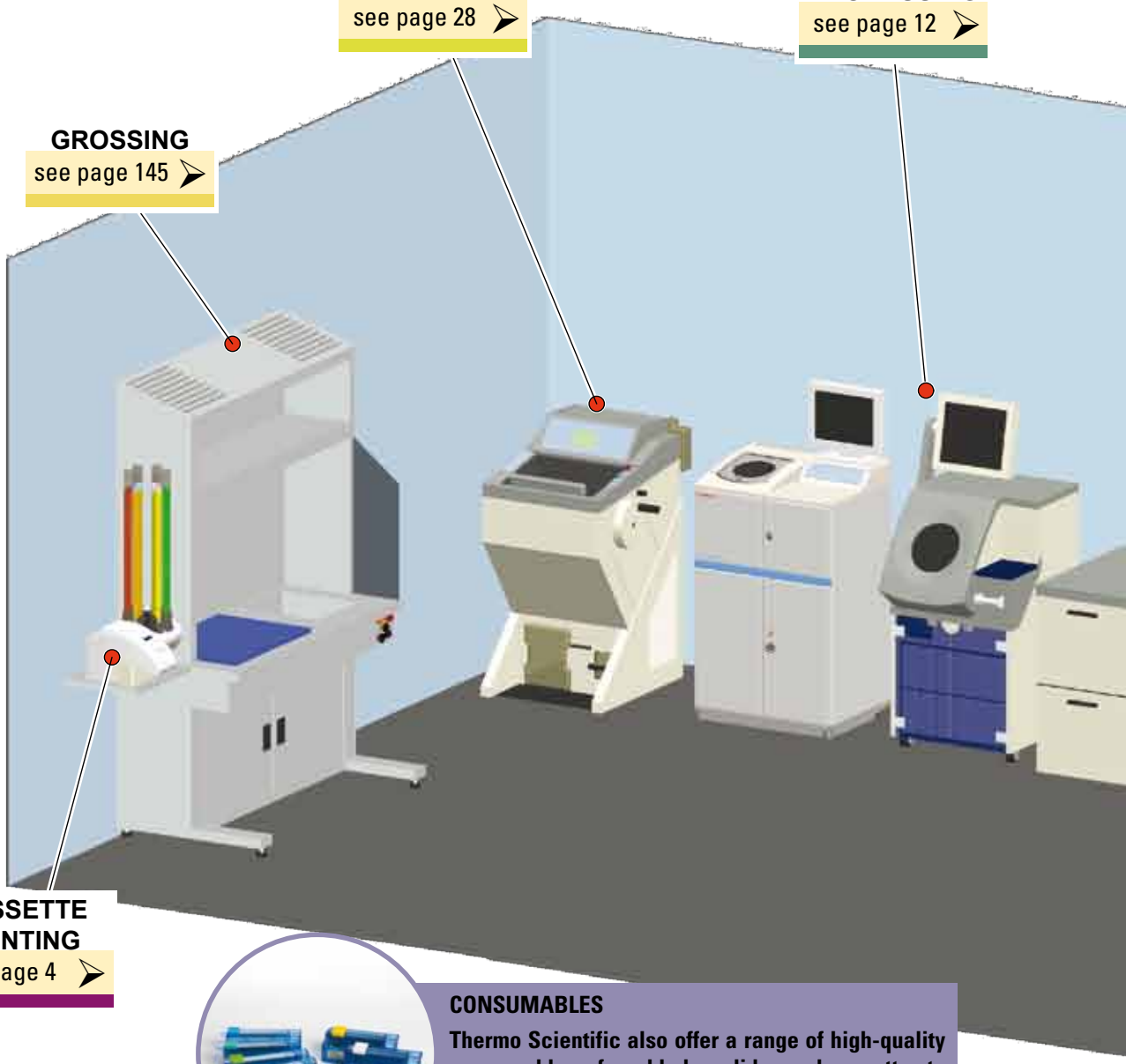
  include "Best Practice Registration" in the subject line and provide brief details of instruments used, area of work (Clinical, research, veterinary etc) and any special applications that you are involved in.

Training Support

- The dedicated Customer Training and Demonstration Suite, within the Thermo Fisher Scientific Centre of Excellence for Anatomical Pathology, contains a complete range of instrument types and associated consumables. Now customers can not only receive training on individual instruments, but also investigate and learn about the various options available (including LIS connectivity) to improve workflow and both patient and staff safety. Similarly for those considering the purchase of new instrumentation, viewing the products in our demonstration suite, rather than as stand-alone units, can help significantly when considering future product integrations and workflow planning.
- Customer training and demonstrations are also enhanced by the availability of the new Applications Laboratory. Now users and potential users can gain hands-on experience, using real reagents and tissues to practice the skills they have been taught, and directly evaluate new technologies they are looking to adopt.
- In support of specific product training, we also offer a program of Customer Days, which are held throughout the year. Each Customer Day focuses on a particular area of interest such as, labelling and verification, or Immunohistochemistry and includes an opportunity to meet the Thermo Fisher support teams and view our customer support areas. Attendance is free.
- To enquire about Customer Days, training opportunities, and product demonstrations at the Thermo Fisher Scientific Centre of Excellence for Anatomical Pathology please email: **applications.ap.emap@thermofisher.com** detailing your requirements and areas of interest.

Thermo Scientific Workflow Solutions

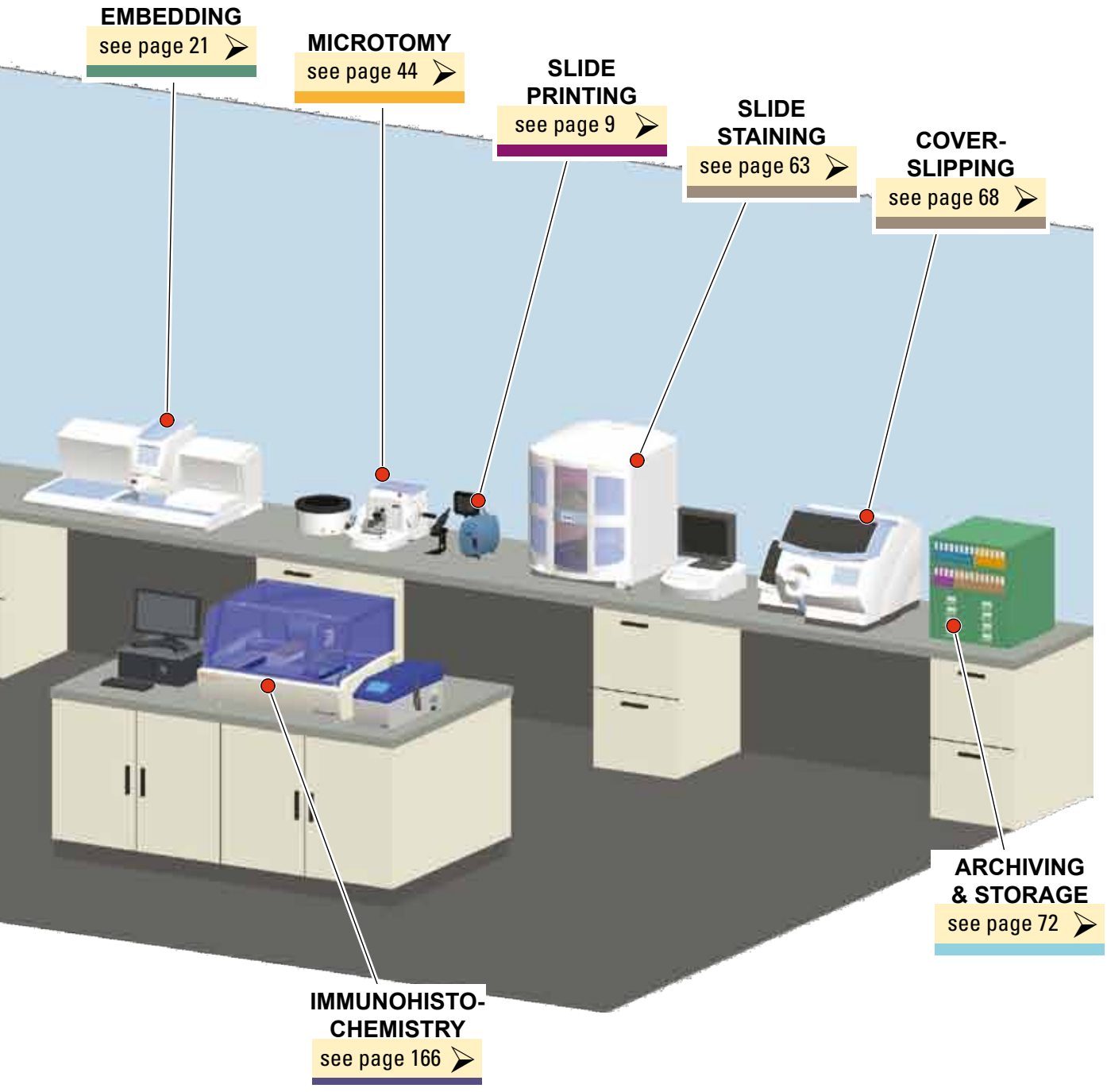
From the grossing station to the archive store, and everything in-between - Thermo Scientific have a solution to all your workflow needs



CONSUMABLES

Thermo Scientific also offer a range of high-quality consumables - from blades, slides and cassettes to stains, processing reagents and mountants

see page 96


EMBEDDING
see page 21
MICROTOMY
see page 44
SLIDE PRINTING
see page 9
SLIDE STAINING
see page 63
COVER-SLIPPING
see page 68
ARCHIVING & STORAGE
see page 72
IMMUNOHISTO-CHEMISTRY
see page 166

Thermo Scientific PrintMate™ On-demand Cassette Printer

Meeting the needs of LEAN workflow and error reduction within your laboratory

Print on-demand

- Small footprint allows printer to fit at the grossing station
- Scan barcodes to automatically print cassettes
- Print one case at a time, reducing the risk of patient identification errors

Flexibility

- LIS connectivity
- Expandable from two to six to twelve hoppers
- Operates as an on-demand or batch printer
- Optional automated collection system

Rapid high-quality print

- Prints at a speed matching laboratory workflow
- Easy-to-read 2D barcodes and text
- Permanent black type

"We chose the [Thermo Scientific] PrintMate cassette printer due to its very good print quality and easy-to-use software. The PrintMate slide printer ultimately saves us time and reduces errors during the grossing process."

Brandon Mones
Pathologist Assistant
Greenwich Hospital

see page 4

Thermo Scientific SlideMate™ On-demand Slide Printer

Reducing patient identification errors while enhancing LEAN workflow

Print on-demand

- Small footprint fits easily next to the microtome or Cytology processor
- Scan barcodes to immediately print slides for a single case
- Innovative collection tray operates on a first-in first-out (FIFO) basis

Flexibility

- LIS connectivity
- Prints directly onto the slide eliminating the need for labels or handwriting
- High-quality print - print text, numbers and barcodes (linear and 2D)

"The elimination of manually applying labels and hand writing patient names on slides by using the [Thermo Scientific] SlideMate slide printer has virtually eliminated human error with this critical step in the cytology process. Additionally, the SlideMate slide printer has paid for itself in 12 months since we started using it last year due to discontinuing purchases of expensive xylene resistant slide labels."

Francesco Mercuri, MS CT(ASCP), MT(ASCP)
Cytology/Histology Manager
Enzo Clinical Labs

see page 9

Thermo Scientific PrintMate™ Cassette Labellers

Flexible units that grow with your laboratory workload

The Thermo Scientific PrintMate Cassette Printer meets the needs of LEAN workflow and error reduction within your laboratory.

- High-quality print means that every cassette is clearly marked with easy-to-read, permanent black type - 300dpi print is perfect for printing linear and 2-D barcodes; enhanced accuracy of specimen identification and sample integrity contributes to improved patient care
- Small footprint fits easily into any workflow pattern - the small size of the PrintMate means it will fit easily next to the grossing area with fast Print-on-Demand capability allowing you to determine the optimal workflow solution for your laboratory
- PrintMate quickly prints cassettes with no reduction time for printing 2-D barcodes - capacity to work reliably as an on-demand or batch printer in high volume laboratories
- Optional dual track collection system collects up to 100 cassettes in organizer trays - the trays are easily stacked and simplify matching cassettes to specimen containers at the grossing station
- Collection chute enables you to place one PrintMate between two technicians - bi-directional chutes ensure the correct cassettes are delivered to the appropriate technician
- Patented dispense system is able to reliably dispense a wide range of standard cassettes year after year without jamming or misfeeding - PrintMate allows the use of a wide variety of Thermo Scientific cassettes

LabWriter™ Software Offers Print-On-Demand Capabilities

- Prints large batches or single cassettes using standard or custom numbering configurations
- Software can use barcodes from a requisition form or specimen container to automatically print cassettes, eliminating errors from the labelling process
- Preview window lets you see what is about to be printed
- Can provide records of print jobs to help manage your staff and workflow

Regulatory Requirements

- As requirements for cassette labelling change, PrintMate can continue to uniquely identify specimens to comply with new regulations and maintain your laboratory accreditation

Connectivity - Uses All Current Interfaces

- Compatible with existing LIS interfaces to legacy Thermo Scientific printers

Physical Specifications

Dimensions for PrintMate 900 (D x W x H, without cassette tubes): 40 x 48 x 23cm

Dimensions for PrintMate 900 (D x W x H, with cassette tubes): 40 x 48 x 90cm

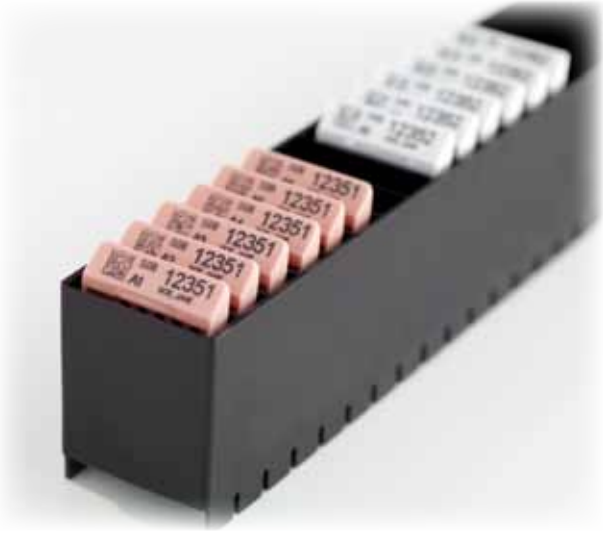
Max. Weight: 12kg

Power Requirements: 100-240V, 50/60Hz

Includes

Each unit comes with USB cable; power cable; 2, 6 or 12 hoppers (depending on model); one roll of tape (installed); software CD; and operator guide. Complete cassette printing systems additionally include PC, monitor and digital imager.

Description	Order number
PrintMate 150 Cassette Printer	**A79500001**
PrintMate 150 Cassette Printing System	**A79500004**
PrintMate 450 Cassette Printer	**A79500002**
PrintMate 450 Cassette Printing System	**A79500005**
PrintMate 900 Cassette Printer	**A79500003**
PrintMate 900 Cassette Printing System	**A79500006**



Accessories	Order Number
Collection trays (4/pk.)	**A79510022**
Cassette hopper	**A79510024**
Cassette guide chute with extension	**A79510023**
15" All-in-one PC package with desktop stand	**B81300033**
Digital imager (Linear/2D Barcode Reader)	**B35310006**
Hot foil tape (5/pk.)	**A79510013**
Collection system	**A79510014**

for cassettes in tubes see page 6

Thermo Scientific Cassettes in Tubes

A wide range of high-quality cassettes for use with PrintMate™ and MicroWriter™

Embedding Cassettes

- Pore style - round holes
- Used for routine specimens
- Supplied with or without white lids (not fitted)

Colour	Order Number Cassettes only - 1500 (20 tubes x 75)	Order Number Cassettes & Lids - 3000 (40 tubes x 75)
	E10/MW/AQUA	A82610090
	E10/MW/BLUE	A82610091
	E10/MW/GREEN	A82610092
	E10/MW/GREY	A82610093
	E10/MW/LILAC	A82610094
	E10/MW/ORANGE	A82610095
	E10/MW/PINK	A82610096
	E10/MW/TAN	A82610097
	E10/MW/WHITE	A82610098
	E10/MW/YELLOW	A82610099

Lid Type	Qty.	Order Number
Stainless Steel	25 pk.	**1001003**
White Plastic Disposable	1000 pk.	**E10/LID**

Biopsy Cassettes

- Pore style - small squares
- Used for biopsy specimens
- Supplied with or without white lids (not fitted)

Colour	Order Number Cassettes only - 1500 (20 tubes x 75)	Order Number Cassettes & Lids - 3000 (40 tubes x 75)
	E10/BMW/AQUA	A82610100
	E10/BMW/BLUE	A82610101
	E10/BMW/GREEN	A82610102
	E10/BMW/GREY	A82610103
	E10/BMW/LILAC	A82610104
	E10/BMW/ORANGE	A82610105
	E10/BMW/PINK	A82610106
	E10/BMW/TAN	A82610107
	E10/BMW/WHITE	A82610108
	E10/BMW/YELLOW	A82610109

Lid Type	Qty.	Order Number
Stainless Steel	25 pk.	**1001003**
White Plastic Disposable - Biopsy	1000 pk.	**E10/B/LID**

Slotted Cassettes

- Pore style - small slots
- Used for routine specimens
- Supplied with or without white lids (not fitted)

Colour	Order Number Cassettes only - 1500 (20 tubes x 75)	Order Number Cassettes & Lids - 3000 (40 tubes x 75)
	E10/SMW/AQUA	A82610110
	E10/SMW/BLUE	A82610111
	E10/SMW/GREEN	A82610112
	E10/SMW/GREY	A82610113
	E10/SMW/LILAC	A82610114
	E10/SMW/ORANGE	A82610115
	E10/SMW/PINK	A82610116
	E10/SMW/TAN	A82610117
	E10/SMW/WHITE	A82610118
	E10/SMW/YELLOW	A82610119

Lid Type	Qty.	Order Number
Stainless Steel	25 pk.	1001003
White Plastic Slotted Disposable	1000 pk.	E10/S/LID

TissueLoc® Biopsy Cassette (Cassette IV)

- Pore style - small squares
- Used for biopsy specimens
- Cassette supplied with separate same colour lid, with large tab for easy opening

Colour	Order Number (10 tubes x 75)
	41760-T
	41751-T
	41753-T
	41757-T
	41758-T
	41759-T
	41754-T
	41755-T
	41750-T
	41752-T

TissueLoc® Tissue Cassette (Cassette IV)

- Pore style - small slots
- Used for routine specimens
- Cassette supplied with separate same colour lid, with large tab for easy opening

Colour	Order Number (10 tubes x 75)
	41730-T
	41721-T
	41723-T
	41727-T
	41728-T
	41729-T
	41724-T
	41725-T
	41720-T
	41722-T

HistoScreen® Cassette

- Pore style - mesh
- Used for very small biopsy specimens
- Cassette supplied with separate same colour lid with large tab for easy opening

Colour	Order Number (10 tubes x 75)
	C-750-AQ
	C-750-BL
	C-750-GR
	C-750-GY
	C-750-LI
	C-750-OR
	C-750-PK
	C-750-TN
	C-750-WH
	C-750-YW

Slimsette™ Biopsy Cassette

- Pore style - small squares
- Used for biopsy specimens
- Cassette supplied with same colour lid (attatched)

Colour	Order Number (10 tubes x 75)
	B1000737AQ
	B1000737BL
	B1000737GR
	B1000737GY
	B1000737LI
	B1000737OR
	B1000737PE
	B1000737PK
	B1000737TN
	B1000737WH
	B1000737YW

Slimsette™ Tissue Cassette

- Pore style - slots
- Used for biopsy specimens
- Cassette supplied with same colour lid (attatched)

Colour	Order Number (10 tubes x 75)
	B1000736AQ
	B1000736BL
	B1000736GR
	B1000736GY
	B1000736LI
	B1000736OR
	B1000736PE
	B1000736PK
	B1000736TN
	B1000736WH
	B1000736YW

Slimsette™ "Micromesh" Cassette

- Pore style - small holes (0.36mm square)
- Used for biopsy specimens
- Cassette supplied with same colour lid (attatched)

Colour	Order Number (10 tubes x 75)
	B1000734AQ
	B1000734BL
	B1000734GR
	B1000734GY
	B1000734LI
	B1000734OR
	B1000734PE
	B1000734PK
	B1000734TN
	B1000734WH
	B1000734YW

for more cassettes see page 80

Thermo Scientific SlideMate™

Bringing on-demand slide printing to the microtome

The Thermo Scientific SlideMate reduces patient identification errors whilst enhancing LEAN workflow.

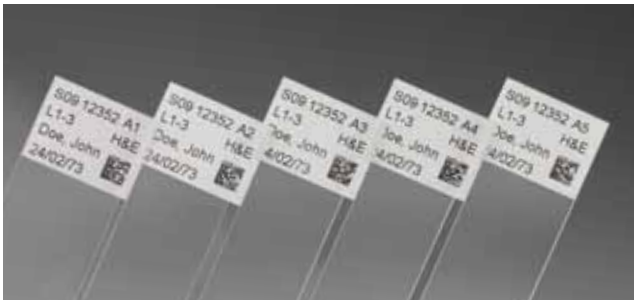
- Small footprint fits easily next to the microtome or Cytology slide processor
- On-demand slide printing reduces errors and improves productivity
- Prints directly onto the slide, eliminating the need for labels or handwriting
- High quality print - print text, numbers and barcodes (linear and 2D)
- Flexible data input methods allow easy integration into the laboratory workflow
- Chemical resistant media ensures print reliability
- Slides are held inside the unit's side door to protect them from dust and the environment
- LIS Connectivity
- Innovative collection tray operates on a first-in first-out (FIFO) basis
- Scan barcodes to immediately print slides for a single case

Physical Specifications

Dimensions (D x W x H): 24 x 15 x 23cm
Weight: 4.3kg
Power Requiements: 110 - 240V, 50/60 Hz.

Printing Specifications

Input Slide Capacity: 150 slides (Internal dispense hopper)
Output Slide Capacity: 10 slides (FIFO collection tray)
Printing Media: Black thermal transfer ribbon (25mm wide)
Printing Media Capacity: 1 roll = 12,000 slides approx.
Printing Speed: 3 - 12 slides / min. (coverage dependant)
Slide Type: 25 x 75 x 1mm with Superfrost or Colorfrost end (Max. allowable – 26 x 76 x 1mm)



Description	Order Number
SlideMate print on-demand system	**B81300007**
Includes SlideMate printer, scanner, keyboard interface and keyboard	
SlideMate with LabWriter software	**B81300008**
Includes SlideMate printer, LabWriter software and dongle	
SlideMate printer	**B81300006**
SlideMate with mini PC - Premium package (clamp-style arm)	**B81300020**
Includes SlideMate printer, mini all-in-one PC with built-in digital imager and clamp-style arm, LabWriter software, cross-over cable, keyboard, mouse, USB hub and stylus	
SlideMate with mini PC - Premium package (desktop stand)	**B81300021**
Includes SlideMate printer, mini all-in-one PC with built-in digital imager and desktop stand, LabWriter software, cross-over cable, keyboard, mouse, USB hub and stylus	
SlideMate with mini PC - Premium package (clamp-style arm)	**B81300022**
Includes SlideMate printer, mini all-in-one PC with clamp-style arm, LabWriter software, cross-over cable, hand-held digital imager with stand, keyboard, mouse, USB hub and stylus	
SlideMate with mini PC - Premium package (desktop stand)	**B81300023**
Includes SlideMate printer, mini all-in-one PC with desktop stand, LabWriter software, cross-over cable, hand-held digital imager with stand, keyboard, mouse, USB hub and stylus	

Accessories	Order Number
Digital Imager (Linear/2D Barcode Reader)	**B35310006**
LabWriter Software for SlideMate	**B81310001**
Network Cable	**B35310012**
Crossover Ethernet Cable	**B81310005**
Keyboard Interface	**B81320043**
Keyboard	**B81310004**
Mouse	**B81310019**
Thermal Transfer Ribbon (hot-foil-tape)	**B81320041**
Mini PC Package with built-in digital imager and clamp-style arm	**B81300028**
Mini PC Package with built-in digital imager and desktop stand	**B81300029**
Mini PC Package with clamp-style arm	**B81300030**
Mini PC Package with desktop stand	**B81300031**
Stylus; 3-pack	**B81310022**
15" All-in-one PC package with clamp style arm	**B81300032**
15" All-in-one PC package with desk top stand	**B81300033**

Approved Slides
Thermo Scientific Superfrost Slides
Thermo Scientific Superfrost Plus Slides
Thermo Scientific Colorfrost Slides
Thermo Scientific Colorfrost Plus Slides
Thermo Scientific Polysine Slides
Thermo Scientific Double Frost Slides 45°
Thermo Scientific Cytoslides
Thermo Scientific Cytoslides, coated

for compatible slides see page 84

Thermo Scientific CheckMate™ Verification System

Eliminates specimen misidentification in Anatomical Pathology Labs

Provides the highest level of confidence that diagnosis is made from the right sample with proprietary software, PC and digital imager.

- Compatible with linear barcodes, 2-D barcodes and OCR font on slides, cassettes and containers
- Eliminates sample misidentification in the workflow
- Replaces time-consuming, error-prone manual or visual checks
- Eliminates need for paper label, print-on-demand systems
- Compatible with most existing laboratory numbering systems
- Data exports to all Microsoft® data software (Excel®, Access®, etc.)
- On-demand data access for lab managers
- Audible and visual alerts provide immediate, positive proof that the specimens match
- Identifies errors when and where they occur

Using at the grossing station

- Scan the requisition or specimen container
- Scan the cassette
- Get a visual and audible indication that specimens match

Using at the microtome

- Scan the cassette
- Scan the slide
- Get a visual and audible indication that specimens match

Physical Specifications

Power Requirements: 110 - 240V, 50/60Hz

Description	Order Number
For Single Workstation	
Mini CheckMate System; 9 " Mini PC w/ internal scanner, clamp style arm	**B35310040**
Mini CheckMate System; 9" Mini PC w/ internal scanner, desktop stand	**B35310041**
For Two Workstations	
CheckMate System; 15" PC w/ 2x external scanners, clamp style arm	**B35310042**
CheckMate System; 15" PC w/ 2x external scanners, desktop stand	**B35310043**

Thermo Scientific STP 420ES Tissue Processor

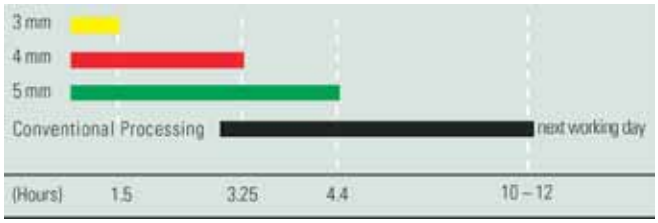
High capacity plus workflow flexibility

Features

- Dual chamber design offers tremendous operational flexibility
- Both chambers can be run independently and at the same time
- Control and monitoring for both chambers provided via a single touch-screen user interface
- Larger chamber has a capacity of 360 standard cassettes and has a unique rotational movement to increase the flow of reagents by up to 7 times that of other processors
- Smaller chamber has a capacity of 60 cassettes and allows timely processing of non-routine samples without disrupting the processing run or using a second instrument

Accelerated Processing with Fast Flex Technology

- Used in combination with the Thermo Scientific Fast Flex range of reagents, the STP 420ES can reduce processing times to under 5 hours for 5mm specimens, and under 1 hour for biopsies
- The Fast Flex system is fully compatible with traditional reagents and requires no treatment with microwaves, excessive heat or other non-standard interventions



Processing times for 3, 4 and 5mm tissue with Fast Flex on the STP 420ES compared to a traditional overnight processing run

Includes

Basic instrument, 12 reagent vessels, seven baskets with lids (each with 60-cassette capacity), and instruction manual.

Physical Specifications

Dimensions (D x W x H): 64 x 64 x 150cm

Total Height (including monitor): 150cm

Weight: 200kg

Total Cassette Capacity: 420 (360-cassette capacity in rotational [main] chamber; 60-cassette capacity in secondary chamber)

Description	Order Number
STP 420 ES Rotational Tissue Processor	**980000**
Cassette basket	**526510**
Reagent vessel	**264130**

Thermo Scientific Fast Flex™ Tissue Processing System

Patented accelerated system offers same-day results using traditional processing reagents

Based on proven technologies - there's no guesswork or retraining required for slide interpretation. Reagent reduction can exceed 80% per run, maximising efficiencies and minimising exposure risks. Simple to use, but also versatile enough to meet your specific laboratory demands. When used with either the STP 420ES Tissue Processor or the Thermo Scientific Pathcentre® ES Tissue Processor at the appropriate thickness, Fast Flex reagents produce paraffin infiltrated samples in about 90 minutes.

Holding Solution

- Holding solution is a fixative to be used in the grossing room
- Place cassettes in holding solution for at least 20 minutes prior to loading on the processor
- Compatible with 10% Neutral Buffered Formalin and other fixatives

Processing Reagents

- Reagents consist of a Fixative (Solution 1), a Dehydrant (Solution 2) and a Clearing Reagent (Solution 3)
- Packaged as a kit which contains one each of the reagents
- Kits can either be ordered with a xylene-based clearant or a xylene-substitute-based clearant

Paraffin

- Designed to be used with Fast Flex Tissue Processing System
- Formulated to be used only in the tissue processor for rapid infiltration

Description	Size	Qty.	Order Number
Fast Flex Holding Solution	9.4L	11/cs.	**9800**
Fast Flex Kit 1, Xylene	3 x 5L	1/cs.	**9801**
Fast Flex Kit 2, Xylene-substitute	3 x 5L	1/cs.	**9802**
Fast Flex Paraffin	0.9kg	10/cs.	**9810**

Fine Cutting Tool

- Designed to assist with consistency in grossing
- Manufactured so that user can choose whether to gross their specimens at 3, 4 or 5mm thickness
- Easy-to-clean, chemical resistant and autoclavable

Includes

Allen wrench and sample pack of Thermo Scientific Edge-Rite™ disposable blades.

Description	Qty.	Order Number
Fine Cutting Tool Kit, 3mm	Ea.	**9813**
Fine Cutting Tool Kit, 4mm	Ea.	**9814**
Fine Cutting Tool Kit, 5mm	Ea.	**9815**
Edge-Rite disposable blades	50/pk.	**4275H**

Thermo Scientific Excelsior™ ES Tissue Processor

Walk-away tissue processing with unmatched tissue quality and lowest cost of ownership

The Excelsior ES continues a Thermo Scientific tradition by offering one of the most advanced traditional instruments available today. With its unique reagent management system, the Excelsior ES remains the instrument of choice for laboratories throughout the world which have used this proven technology to meet their most challenging tissue processing applications time after time.

Features

- Daily operations mode, an easy-to-use operating mode for routine operation
- Menu mode delivers all the functionality that the Excelsior ES has to offer
- Systematic logging and reporting of quality control data, event records, and program information
- Automatic in-process reagent rotation—no manual handling of reagents
- Three distinct fill levels in chamber to shorten processing times
- Ten customised programs and five flush options
- Seven password-protected areas
- Easy-to-read screens with colourful graphics
- International icons to accommodate all users; multi-lingual

Performance

- Unique reagent monitoring and management system delivers significant reagent cost savings
- Reagent quality of first alcohol is measured using specific gravity; operator is alerted when replenishment of reagents is needed
- Reagent preheating option allows for more consistent and rapid processing
- Circular design allows greater temperature uniformity
- Continuous agitation circulates reagents freely around specimens
- Organised basket is designed to prevent cassette bunching, promoting maximum reagent infiltration around specimens
- Glass lid allows viewing during processing
- Organised and random baskets are microwavable and designed to be used in conjunction with microwave secondary-fixation (see page 18 for details about the new Thermo Scientific TissueWave™ 2 Microwave Processor)

Safety

- Built-in downdraft ventilation minimises operator exposure to hazardous vapours
- Reagent storage cabinet is built to enhance safety standards and is vented through two additional filters for further fume control
- Specimen safety and protection is accomplished by battery back-up
- Two independent remote alarms alert user of any issues
- Automatic underfill recovery finishes processing in safest environment possible

Physical Specifications

Dimensions (D x W x H): 52 x 67 x 160cm

Weight: 112kg

Power Requirements: 950VA (maximum); 200VA (typical)

Includes†

Organised basket (six supplied) to process 222 cassettes and random basket to process up to 300 cassettes‡, basket lid (organised and random), formaldehyde (potassium permanganate) filter, two charcoal vapour filter, water flush bottle and cap and two 5L storage bottles, waste wax drawer assembly with two drawers, lid, and a cover, monitor, operator guide (specify language), service record book and screen information card, spatula, wax fill chute, wax waste liners (pack of 20), 19mm A/F spanner wrench

† Contents, packaging and quantities of inclusions are subject to change without notice.

‡ When using 5L reagent bottles. See application notes.

Certifications and Compliance

Designed to meet IEC 61010, CSA, UL, and CE Mark (IVDD compliant)

Description	Order Number
Excelsior ES	**A78400006**

Accessories	Order Number
Formaldehyde (potassium permanganate) filter; 6/pk.	**B9990612CS**
Charcoal filters; 6/pk.	**7411258**
Service manual	**A78410101**
Waste wax drawer kit (with one drawer, one lid)	**A78410027**
Plastic basket carrying container; 2.5L	**B35210007**
Storage bottles; 5L; 6/pk.	**A78410026**
Downdraft extraction duct adapter kit	**A78410023**
Main air system duct adapter kit	**A78410024**
Monitor clamp kit	**A78410029**

Thermo Scientific Netmon™ Service

Remote monitoring system for peace of mind - all of the time

Netmon Service

Service directly connects the tissue processor in a customer's laboratory to the Thermo Scientific Service Support Centre, providing high-value support services to the user in a real-time manner.

Netmon Service includes:

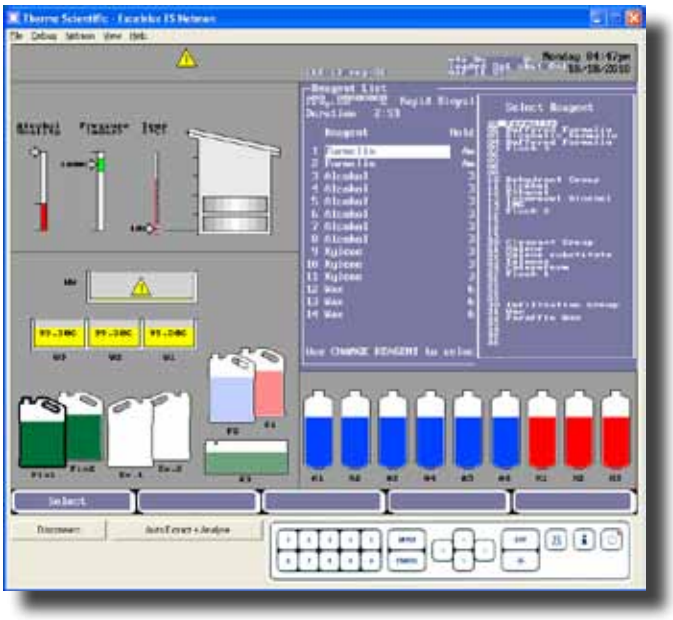
- Monthly preventive maintenance review
- Monthly monitoring report for inclusion in customer's Quality Management system; signature of the service support engineer is included with report
- Rapid online diagnosis and resolution of system problems
- Escalation to service call, if required, with dispatch of needed spare parts
- Online technical support to resolve operational issues

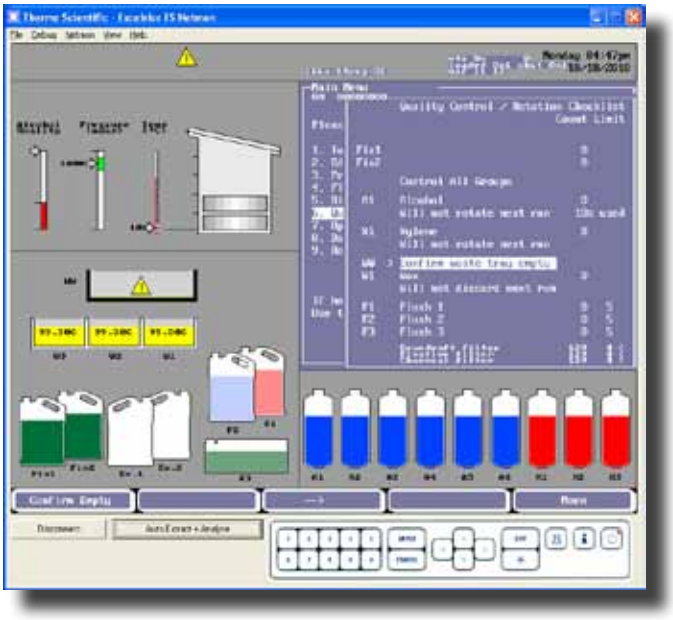
Customized Monthly Report provides information regarding four fundamental system tests listed below:

- Fluid transfer check
- Peak fluid temperatures
- Alcohol quality measurement
- Error checks

Ordering Information

Please contact your local Sales Representative for information about other Netmon capabilities and complete ordering information.





Netmon at Home

Provides a way of always staying connected to your tissue processor. Allows you to remotely access your tissue processor from the comfort of home. To check status or respond to any error messages, simply dial in and fix the problem without going to the lab. Available only to Netmon customers.

Provides access to the following information:

- Status
- Alcohol quality measurement
- Progress through a processing run
- Error checks

Ordering Information

Other features are available; consult your representative for details.

Thermo Scientific Pathcentre® Tissue Processor

Designed to meet the versatility demands of research laboratory processing

Features

- Back-lit LCD monitor that displays commands in English, French, Spanish, German, Italian or Swedish with full on-screen prompt graphics
- Selectable processing parameters including heat, vacuum/pressure, immersion time, drain time and agitation
- A built-in clock that enables selection of immediate start or delayed start functions in any reagent position for overnight, weekend and holiday periods
- Independent, selectable flushes - either standard flush or extended flush
- Wide reagent compatibility including acetone and chloroform

Performance

- Gentle counter-stir agitation and tidal flow system combine to promote maximum fluid penetration through baskets and cassettes
- Circular reaction chamber optimises temperature uniformity and enhances continuous agitation
- Four wax baths provide excellent specimen infiltration
- Glass reaction chamber lid allows visual inspection of processing
- Sealed reaction chamber lid is easily opened with one hand
- Plug-in reagent bottles have colour-coded labels and are engineered for ease of use

Safety

- "Closed Loop System" ensures that fumes stay within system and do not escape into the laboratory
- Multi-level pass-code security protects instrument from unauthorised access
- Automatic underfill recovery system protects your specimens by automatically re-routing reagents and completing processing
- Water rinse option can be selected at the end of flush
- Audible and remote alarm signals are standard; offer automatic alerts when it is time for routine maintenance and service or to change reagents

Includes†

Wax drain container and drain key, reagent storage bottles (12 included with unit), labels and pour spout, charcoal filter, tissue basket handle, Viton lid seal, cassette basket‡ (random - 1 segment, or organised - 1 segment), spatula, operator guide (specify language), quick reference cards and service record book.

† Contents, packaging and quantities of inclusions are subject to change without prior notice.

‡ The Pathcentre reaction chamber holds three basket segments in any combination.

Physical Specifications

Dimensions (D x W x H): 63.5 x 56 x 132cm

Weight: 160kg

Power Requirements: 1200VA

Certifications and Compliance

Designed to meet IEC 61010, CSA, UL, and CE Mark (IVDD compliant)

Description	Order Number
Pathcentre	
Random basket; 110 - 120V, 50/60Hz	**75200012**
Random basket; 220 - 240V, 50/60Hz	**75200011**
Organised basket; 110 - 120V, 50/60Hz	**75200014**
Organised basket; 220 - 240V, 50/60Hz	**75200013**
Extension Unit	
Random basket; 110 - 120V, 50/60Hz	**75200112**
Random basket; 220 - 240V, 50/60Hz	**75200111**
Organised basket; 110 - 120V, 50/60Hz	**75200114**
Organised basket; 220 - 240V, 50/60Hz	**75200113**

Thermo Scientific TissueWave™ 2 Microwave Processor

Efficiency, versatility and precision with minimal instrumentation

Used for tissue fixation and processing, decalcification of hard material, routine special stains where heat would accelerate the staining process and for epitope enhancement during immuno-histochemical staining.

Performance

- Designed for greater flexibility to meet growing workload demands
- User-friendly instrument will free up technician time for more complex procedures and will consistently deliver uniformly excellent results in a fraction of the time
- Offers load-on-demand capabilities; it is ready when the specimen is ready
- Assists with secondary fixation before routine processing of fatty tissues
- Uses patented PolarHeat™ technology (see page 19) to accelerate paraffin heating
- Offers flexibility for speciality labs

Safety

- Ventilation system interlock
- Two-door interlocks to prevent microwave leakage
- Two temperature interlocks to prevent overheating

Features

- Programmable protocols and memory recall
- Vacuum chamber for rapid fixation and paraffin infiltration
- Temperature and power controls. Ability to convert wattage protocols
- Easy-to-use display screen and tri-coloured control panel for easy programming
- Flexible temperature probe that guarantees accurate temperature control to ±1°C

Physical Specifications

Overall Dimensions (D x W x H): 62 x 54 x 48cm

Chamber dimensions: 24 x 34 x 39cm

Weight: 35kg

Power Requirements: 120V system, 15 amp service minimum (20 amp recommended); 230V system, 10 amp service minimum (15 amp recommended)

Includes†

Glass air agitator tubing (pk. of 3), Thermo Scientific Excelsior™ ES organiser baskets (2 ea.), interior lamp, microwavable specimen container, 2.5L, operator guide, temperature probe, glass vacuum chamber.

† Contents, packaging and quantities of inclusions are subject to change without prior notice.

Certifications

Designed to meet IEC 61010, CSA, UL and CE Mark

Description	Order Number
110 - 120V, 60Hz	**B35600002**
220 - 240V, 50/60Hz	**B35600001**

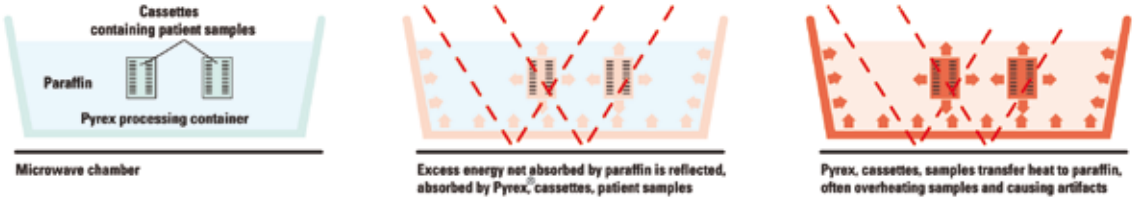
Accessories	Order Number
Excelsior ES organised baskets (2/pk.)	**A78410025**
Microwave detector, handheld model	**B35240070**

PolarHeat™ Sheets

This breakthrough product heats paraffin in the microwave, eliminates pre-heating and disseminates microwaves evenly throughout the paraffin

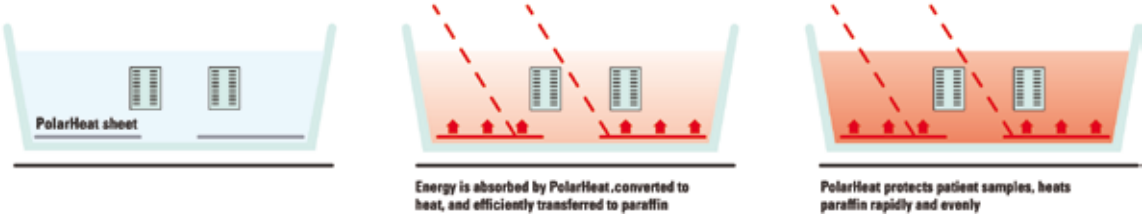
20 min

Without PolarHeat


Cassettes
containing patient samples
Paraffin
Pyrex processing container
Microwave chamber
Excess energy not absorbed by paraffin is reflected, absorbed by Pyrex, cassettes, patient samples
Pyrex, cassettes, samples transfer heat to paraffin, often overheating samples and causing artifacts

4 min

With PolarHeat


PolarHeat sheet
Energy is absorbed by PolarHeat, converted to heat, and efficiently transferred to paraffin
PolarHeat protects patient samples, heats paraffin rapidly and evenly

Qty.	Order Number
50/pk.	**B35610001**
100/pk.	**B35610002**
200/pk.	**B35610003**

Thermo Scientific STP 120 Spin Tissue Processor

Compact, benchtop carousel tissue processor

Designed to process biological specimens from chemical fixation to paraffin infiltration. Unique design uses programmable gentle centrifugal force to augment normal vertical agitation process associated with carousel processors.

Features

- Immediate and delayed-start processing modes
- Spin speed programmable from 0, 60 or 70rpm
- Programmable immersion time in each station (from 1 minute to 99 hours and 59 minutes)
- Basket capacity of 120 cassettes
- Battery back-up system in case of power failure

Performance

- Reagent vessel tops and charcoal-enhanced ventilation help control processing vapours
- Microprocessor unit can maintain up to 10 processing programs
- Cassette baskets spin counterclockwise and clockwise within reagent container to improve processing
- Reagent carryover is reduced through centrifugal spinning of basket above reagent vessel; 1.8L reagent volume for each vessel

Ordering Information

Choose from two instrument versions: one basket, two paraffin baths and a fume system, or two baskets, three paraffin baths and a fume system.

Physical Specifications

Diameter: 85cm

Height: 50cm opening to 70cm

Weight: 70kg

Power Requirements: 100-240V, 50-60Hz

Includes

Basic instrument, instruction manual, and 10 reagent vessels and two paraffin baths for single basket operation (120-cassette capacity), or nine reagent vessels and three paraffin baths for double basket operation (240-cassette capacity)

Description	Order Number
With two paraffin baths and processing basket	**813150**
With three paraffin baths and two processing baskets	**813160**

Thermo Scientific HistoStar Embedding Centre

The shining new light in embedding

With it's cool, contoured surfaces and innovative new features, the Thermo Scientific HistoStar embedding centre delivers real improvements in user comfort and productivity.

Features

- Cool and contoured - All user contact points are smooth and insulated providing a cool and comfortable workspace. Pressure points and uncomfortable heated areas are eliminated.
- Well lit and clutter free - Cool LED lighting (Pat. Pending) provides specimen illumination, at 5 user selectable intensities, without the clutter of awkward remote lighting. A low profile dispense head further enhances specimen visibility.
- High capacity - With its large capacity tissue storage tank the HistoStar is capable of accepting baskets from any tissue processor. The 5 litre paraffin reservoir and large area cold plate have been designed for maximum productivity in the busiest of laboratories.
- Any sample size handled with ease - Thermo Scientific HistoStar is the first Embedding centre to incorporate an adjustable paraffin dispenser paddle. A simple adjustment moves the paddle to accommodate the samples you are working with. Even Super Mega Cassettes can be embedded with ease.
- Intuitive Interface - Large easy to read touch screen display allows quick access to the precise temperature controls and other parameters. Programmable "sleep" mode saves energy and accommodates user workflow.
- Full accessory range - Optimise your Thermo Scientific HistoStar embedding system with a wide range of tools and accessories; including: tamping tools, heated forceps, magnifier and foot pedal.
- Integrated ParaTrimmer® - The only embedding centre with a heated wax trimmer built directly into the work space. Now excess paraffin can be removed during the embedding process without the need for additional equipment.
- Dependable Performance - The robust design of the HistoStar minimises moving parts, reducing wear and service requirements and thus ensuring dependable performance for years to come.

High capacity tissue storage tank and mould storage

LED lighting (pat. pending)

Physical Specifications

Dimensions:

Embedding module (W x D x H): 650 x 600 x 410 mm

Cold module (W x D x H): 430 x 600 x 410 mm

Weight:

Embedding module: 25 kg

Cold module: 20 kg

Wax Reservoir Capacity: 5 litres

Temperatures

Wax reservoir: 50 – 70°C

Cold spot: 5°C

Hot spot: 50 – 70°C

Tissue storage: 50 – 70°C

Mold storage: 50 – 70°C

Cold plate: -12°C

Description	Order Number
HistoStar Instrument (Complete)	
220 - 240V; 50/60Hz	**A81000001**
100 - 120V;50/60Hz	**A81000002**
220 - 240V; 50/60Hz	**A81000003***
Embedding Module	
100 - 240V; 50/60Hz	**A81000007**
100 - 240V; 50/60Hz	**A81000008***
HistoStar Cold Module	
220 - 240V; 50/60Hz	**A81000004**
100 - 120V;50/60Hz	**A81000005**
220 - 240V; 50/60Hz	**A81000006***

** China variant - not available in ROW*

Accessories	Order Number
Tamping tools kit; 2/pk. (1 x 20mm; 1 x 12mm)	**A81010030**
Spatula kit; 2/pk.	**A81010031**
Cassette lid storage cover	**A81010026**
Magnifier assembly	**A81010032**
Footswitch	**AP16629**
Heated forceps; Red – 1mm tip	**A81010033**
Heated forceps; Yellow – 2mm tip	**A81010034**
Heated forceps; Blue – 4mm tip	**A81010035**
Document holder kit	**A81010036**

see page 91 for paraffin

see page 80 for cassettes

Thermo Scientific Wax Dispensers

Wax Dispenser

Features

- Holds up to 5L of molten wax at a thermostatically controlled temperature
- Separate tap heater ensures an even flow of wax
- Convenient as a stand-alone or auxiliary source of molten wax
- Features a stainless steel outer casing and lid, and an aluminium inner reservoir for good thermal conductivity and improved temperature control
- Reservoir filter screen prevents coarse particles from blocking the delivery tap

Physical Specifications

Dimensions (O.D. x H): 21.5 x 41cm

Weight: 3.7kg

Power Requirements: 110 - 120V or 220 - 240V; 50/60Hz, 250W

Temperature Range: 40 to 75°C, ±2°C at 20°C ambient

Includes

Operator guide (312069)

Certifications and Compliance

Designed to meet IEC 61010, CSA, UL and CE Mark

Description	Order Number
220 - 240V; 50/60Hz	**3120057**
110 - 120V; 50/60Hz	**3120069**

Slimline Wax Dispenser

Features

- Designed to take up the minimum amount of bench space whilst having a capacity of approximately 5L
- Electronic temperature control and easy-to-read digital display

Physical Specifications

Dimensions (D x W x H): 42.5 x 17 x 40.5cm

Weight: 6.5kg

Power Requirements: 110- 120V or 220 - 240V; 50/60Hz

Temperature Range: 40 to 70°C, ±2°C at 20°C ambient

Description	Order Number
220 - 240V; 50/60Hz	**E66SLD/230**
110 - 120V; 50/60Hz	**E66SLD/120**

High Capacity Wax Dispenser

Features

- Ideal for laboratories where a higher volume of molten wax is required - capacity of 10L
- Electronic temperature control and easy-to-read digital display
- Inner reservoir is made from aluminium for good thermal conductivity
- Reservoir filter screen prevents coarse particles from blocking the delivery tap

Physical Specifications

Dimensions (D x W x H): 38.5 x 27.5 x 52.5cm

Weight: 8.5kg

Power Requirements: 110- 120V or 220 - 240V; 50/60Hz

Temperature Range: 40 to 70°C, ±2°C at 20°C ambient

Description	Order Number
220 - 240V; 50/60Hz	**E66HC/230**
110 - 120V; 50/60Hz	**E66HC/120**

Thermo Scientific Section Flotation Baths

Paraffin Section Flotation Bath

- Holds water at a constant temperature to flatten wax or resin sections prior to lifting them onto a microscope slide
- Also used for hot staining except with corrosive substances. Top rim of the unit has generous space for drying slides
- Recessed controls provide an added measure of safety
- Drop-on stainless steel lid covers bowl when not in use
- Deep, tapered, stainless steel bowl offers maximum resistance against corrosion
- Matt black PTFE bowl and upper casing provide visual contrast against wax sections
- Lower steel casing has a resistant epoxy coating
- Power cable has moulded connections at both terminals
- Power inlet socket has fuses on negative and positive lines for optimum protection

Physical Specifications

External Dimensions (D x W x H): 32.5 x 27.5 x 11cm
Bowl Dimensions (I.D. x D): 22 x 8.5cm
Weight: 3.75kg
Temperature Range: 30 to 65°C (±1.5°) at 20°C ambient
Power Requirements: 110- 120V or 220 - 240V; 50/60Hz

Includes

Operator guide

Certifications

CE Mark

Description	Order Number
220 - 240V; 50/60Hz	**3120058**
110 - 120V; 50/60Hz	**3120070**

Circular Paraffin Section Flotation Bath

- Compact unit of aluminium with an anodised matt black finish
- Keeps water at a constant temperature to flatten wax or resin sections prior to lifting them onto a microscope slide. It may also be used for hot staining except with corrosive substances
- Bath has a wide rim with ample space for slide drying
- Power cable has moulded connections at both terminals
- Power inlet socket has fuses on negative and positive lines for optimum protection

Physical Specifications

External Dimensions (O.D. x D): 32 x 16cm
Bowl Dimensions (I.D. x D): 22 x 7.5cm
Weight: 2.5kg
Temperature Range: 30 to 70°C (±1.5°) at 20°C ambient
Power Requirements: 110- 120V or 220 - 240V; 50/60Hz

Includes

Operator guide

Certifications

CE Mark

Description	Order Number
220 - 240V; 50/60Hz	**3120059**
110 - 120V; 50/60Hz	**3120071**

Digital Paraffin Section Flotation Bath

- Digital temperature controller with a bright, easy-to-read display
- Holds water at a constant temperature to flatten wax or resin sections prior to lifting them onto a microscope slide
- Also used for hot staining except with corrosive substances. Top rim of the unit has generous space for drying slides
- Drop-on stainless steel lid covers bowl when not in use
- Deep, tapered, stainless steel bowl offers maximum resistance against corrosion
- Matt black PTFE bowl and upper casing provide visual contrast against wax sections
- Lower steel casing has a resistant epoxy coating

Physical Specifications

External Dimensions (D x W xH): 43.5 x 27.5 x 17cm
Bowl Dimensions (I.D. x D): 22 x 8.5cm
Weight: 4.6kg
Temperature Range: 30 to 65°C (±1°) at 20°C ambient
Power Requirements: 110- 120V or 220 - 240V; 50/60Hz

Description	Order Number
220 - 240V; 50/60Hz	**E65D/230**
110 - 120V; 50/60Hz	**E65D/120**

Thermo Scientific Para Trimmer®

Patented, compact, dual voltage unit

Description	Order Number
220 - 240V; 50/60Hz	**B3120206**
110 - 120V; 50/60Hz	**B3120205**

- Designed to remove excess wax from the outside of a tissue cassette after embedding by sliding the outside of the block across the heated surface
- Paraffin should be removed to properly seat the block in the quick-release clamp or vice to achieve the best section quality from your microtome
- Features heated surface with ridges
- Multiple blocks may be passed across the surface at one time

Physical Specifications

Dimensions (D x W x H): 13 x 18.5 x 17cm
Weight: 0.9kg

Certifications and Compliance

Designed to meet IEC 61010, CSA, UL and CE Mark

Thermo Scientific Lab Support Products

Products to make any lab complete

High Capacity Section Dryer

- Designed to give maximum drying area while taking up a minimum of bench space
- Air at digitally controlled temperature is blown up through base and back of instrument to effect rapid drying without overheating
- Digital controller facilitates accurate, constant temperature control from 40° to 90°C
- Drying chamber is polished stainless steel with an autoclavable drip tray
- Air intake has removable filters and external finish is an easy-to-clean epoxy coating
- An optional shelf kit is available to increase capacity further

Physical Specifications

Dimensions (D x W x H): External - 31 x 47 x 37cm; Internal - 24.5 to 20 x 44 x 19.5cm

Weight: 14kg

Power Requirements: 110- 120V or 220 - 240V; 50/60Hz

Description	Order Number
Section dryer, 220 - 240V; 50/60Hz	**B3120203**
Section dryer, 110 - 120V; 50/60Hz	**B3120202**
Accessory shelf	**B3120202SH**

Section Dryer

- Compact instrument quickly dries racks of slides using a stream of warm air
- Selectable air temperature from ambient to 70°C allows efficient drying of slides
- Hinged lid allows warm air to escape via spaces on either side
- Lid and chamber lining are made from polished stainless steel for easy cleaning
- Controls are located on top to protect them from moisture when lid is open
- Deep chamber holds large slide racks such as those in the Thermo Scientific Varistain 24-4K
- Racks containing slides are placed on grill in glass fronted chamber

Physical Specifications

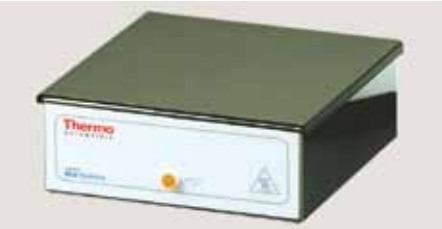
Dimensions (D x W x H): External - 24.5 x 28.5 x 12.9cm; Internal - 8 x 26 x 11cm

Weight: 4kg

Power Requirements: 110- 120V or 220 - 240V; 50/60Hz

Description	Order Number
220 - 240V; 50/60Hz	**3120064**
110 - 120V; 50/60Hz	**3120075**

Mini Hot Plate



Used in histology for removing stubborn wrinkles from sections and for re-orientating embedded tissue. Can be used to heat fix bacterial smears while avoiding cell damage through overheating in microbiology applications.

- Manufactured to operate over a fixed temperature range of 70 to 80°C
- Lower casing is made from stainless steel; top is matt black, epoxy-coated aluminium

Physical Specifications

Dimensions (D x W x H): External - 15 x 15 x 6cm; Heated area - 14 x 14cm

Weight: 0.55kg

Power Requirements: 110- 120V or 220 - 240V; 50/60Hz

Description	Order Number
220 - 240V; 50/60Hz	**3120063**
110 - 120V; 50/60Hz	**3120074**

Slide Drying Hot Plate

Designed to evaporate water and solvents from slides and mounting media quickly. Also used for warming wax-embedded specimens and for hot staining procedures.

- Slides rest above surface of hot plate to accelerate drying
- Top has matt black epoxy coating, providing visual contrast against the wax sections; lower casing is finished in an epoxy coating
- Controls are at the front of the hot plate and are recessed for protection and the thermostat dial allows selection of operating temperatures in 40 to 95°C range
- A stainless steel lid is available to aid temperature control

Physical Specifications

Dimensions (D x W x H): 45 x 29.5 x 8.5cm

Weight: 2.9kg

Power Requirements: 110- 120V or 220 - 240V; 50/60Hz

Slimline Digital Hotplate

Designed to evaporate water and solvents from slides and mounting media quickly. Also used for warming wax-embedded specimens and for hot staining procedures.

- Slides rest above surface of hot plate to accelerate drying
- Top has matt black epoxy coating, providing visual contrast against the wax sections; lower casing is finished in an epoxy coating
- Controls are at the front of the hot plate and the digital thermostat allows selection of operating temperatures in 40 to 95°C range

Physical Specifications

Dimensions (D x W x H): 51.5 x 17.6 x 8.5cm

Weight: 2.9kg

Power Requirements: 110- 120V or 220 - 240V; 50/60Hz

Description	Order Number
220 - 240V; 50/60Hz	**E18/1SL**
110 - 120V; 50/60Hz	**E18/1SL/120**

Description	Order Number
220 - 240V; 50/60Hz	**3120061**
110 - 120V; 50/60Hz	**3120073**
Stainless steel lid	**A82110005**

Thermo Scientific Cryostat Range and Selection Guide

Cryostat Features	HM560 CryoStar	HM550 Series	
See Page No.	32	30	
Sanosil® cold disinfection		•	
UV disinfection			
Formalin disinfection			
Microtome outside of chamber	•		
Chamber temp. to -30°C or lower		•	
Object temperature to:	-50°C	-50°C	
Automatic defrosting system	•	•	
Separate blade temp. control	•		
Separate object temp. control	•	Optional	
Equipped with vacutome	•	Optional	
Equipped with Peltier	Optional	Optional	
Automatic Cryo-Approach system	•	•	
Motorised coarse advance	•	•	
Specimen trimming	•	•	
Specimen retraction	•	•	
Section thickness range	0.5-500µm	1-500µm	
Motorised coarse feed	•	•	
Motorised handwheel	•	Optional	
Freezing stations	2	12	
Touch-screen operation			

	Cryotome FSE	HM525	Cryotome 620E
	34	36	38
		•	
	•		•
	•		•
	•	•	•
	-60°C	-50°C	-60°C
	•	•	•
	•		
	Cryoboost	•	Cryoboost
	•	•	•
	•	•	•
	•	•	•
	1-60µm	1-500µm	1-60µm
	•	•	•
	8	27	1
	•		

Thermo Scientific HM550 Cryostats

Choose from units equipped for clinical or research laboratories

Open top cryostats with ergonomic design for working either standing or sitting. LCD on top indicates actual temperature, number of sections, section thickness for fine sectioning and trimming, remaining travel and retraction as well as date and time.

Cryochamber Features

- Temperature in the cryochamber controlled from 0°C to -35°C
- Moveable chamber illumination to avoid light reflection
- Battery-backed storage and self-diagnostic system
- Automatic defrosting with immediate defrosting and interruption function
- Freezing station for freezing of 12 specimens including peltier fast-freezing device to maximum -60°C for four specimens (30mm stages)
- Numbered position for better allocation of the specimens

Microtome Features

- Stainless-steel microtome equipped with maintenance-free cross-roller bearings
- Section thicknesses from 1 to 100µm
- Trim section thicknesses from 5 to 500µm
- Motorised coarse feed and reset movement with three different speed settings
- Horizontal feed range of 28mm
- Vertical cutting stroke of 60mm

Ergonomic / Safety Features

- Operation via menu-driven prompts
- Automatic Cryo-Approach (ACA) system for exact and safe approach of the specimen towards the blade
- Standby and sleep modes to reduce energy consumption and for a low operating noise

Options

Numerous options are available to suit your specific needs:

(V) Vacutome system for flattening of specimens and removal of sectioning debris

(O) Object cooling from +10°C to -50°C

(M) Cutting motor (0 - 250mm/sec.) which can be started either with foot pedal or via control panel. Features accelerated return stroke, programmable cutting window, brake and emergency stop button.

(D) Disinfectant delivery system that creates a 3 to 5 micron mist to coat the interior surfaces of the cryostat.

Physical Specifications

Dimensions (not inc. handwheel) (D x W x H): 76 x 64 x 120cm

Weight: 125 - 155kg (depending on options)

Power Requirements: 100 - 240V; 50/60Hz

Includes

- Six specimen stages (30mm), freezing medium (118ml), cryostat oil (100ml), debris brush, sectioning brush, distance pieces, section waste tray, tools and operator guide.

Description	Order Number
HM550 Cryostats with options as described	
HM550 OP	
220V; 60Hz	**956455**
220-230V; 50Hz	**956451**
240V; 50Hz	**956456**
HM550 OPD	
220V; 60Hz	**956455D**
220-230V; 50Hz	**956451D**
240V; 50Hz	**956456D**
HM550 OVP	
220V; 60Hz	**956465**
220-230V; 50Hz	**956461**
240V; 50Hz	**956466**
HM550 OVPD	
220V; 60Hz	**956465D**
220-230V; 50Hz	**956461D**
240V; 50Hz	**956466D**
HM550 OMP	
220V; 60Hz	**956555**
220-230V; 50Hz	**956551**
240V; 50Hz	**956556**
HM550 OMPD	
220V; 60Hz	**956555D**
220-230V; 50Hz	**956551D**
240V; 50Hz	**956556D**
HM550 MVP	
220V; 60Hz	**956565**
220-230V; 50Hz	**956561**
240V; 50Hz	**956566**
HM550 MVPD	
220V; 60Hz	**956565D**
220-230V; 50Hz	**956561D**
240V; 50Hz	**956566D**

Accessories	Order Number
Magnetic cleaner	**160030**
Fine filter, 1pk. (for use with Vacutome)	**281060**
Course filter, 25pk. (for use with Vacutome)	**281070**
Flat cryostat brush	**334160**
Goat hair brush	**334170**
Brush, bevelled	**334180**
Cryostat oil, 100 ml	**350040**
Rust preventing oil, 100 ml	**350070**
Lubricating oil, 100 ml	**350110**
Protect II cryostat disinfectant	**350270**
Glass anti-roll plate 69.5 mm	**449980**
Glass anti-roll plate, 39.5 mm	**449990**
Detachable block with six positions	**522500**
Heat extractor	**524010**
Universal cassette clamp	**546060**
Fixed adapter	**532040**
Cryo-moulds, 10 mm	**570400**
Cryo-moulds, 15 mm	**570380**
Cryo-moulds, 22 mm	**570390**
Standard blade holder	**705460**
Disposable blade holder EC for high and low profile blades	**705470**
Disposable blade holder EV for use with Vacutome	**705580**
Disposable blade holder EC-70	**705630**

see page 96 for blades

see page 41 for specimen stages

Thermo Scientific HM560 CryoStar Cryostat

Motorised open-top cryostat with independent specimen and blade cooling

Motorised cryostat with retraction features a unique cooling system which facilitates applications in both histology and research labs. Accommodates specimens up to 75 x 55mm.

Cryochamber Features

- Separate blade temperature control to -35°C
- Object temperature control to -50°C
- Integrated Peltier fast-freezing device with separate cooling element to maximum -60°C Stainless-steel cryochamber
- Heated sliding door with integrated adjustable fluorescent lamp
- Automatic and manual evaporator defrosting with interrupt function

Microtome Features

- Integrated vacutome system for stretching cryo-sections when cutting and for disposal of sections and debris when trimming
- Heavy-duty stainless-steel microtome with maintenance-free cross-roller bearings
- Section thicknesses from 0.5 to 500µm
- Interchangeable blade holder for disposable blades or steel knives
- Innovative blade holder feed via precise stepping motor technology
- Blade holder horizontal feed range of 48mm
- Vertical specimen stroke of 60mm
- Motorised coarse advance and return via stepping motor
- Automatic cutting window
- Specimen orientation on X/Y axis and specimen rotation on Z axis
- Removable section waste tray

Physical Specifications

Dimensions (not inc. handwheel) (D x W x H): 93 x 77 x 134cm

Weight: 230kg

Power Requirements: 100 - 240V; 50/60Hz

Includes

Three specimen stages (2 x 30mm; 1 x 40mm), freezing medium (118ml), cryostat oil (100ml), anti-roll plate, section waste tray, debris brush, sectioning brush, tools and operator guide.

Ergonomic / Safety Features

- Ergonomic design with padded, heated arm rests and height adjustment allows the user to work in either a standing or sitting position
- Automatic Cryo-Approach (ACA) system for exact and safe approach of specimen towards the blade
- Electronic control with touch-pad keys and battery backup
- Liquid-crystal display indicates set and actual temperatures, section thicknesses for fine sectioning and trimming, remaining travel and section totaliser
- Standby and sleep modes for energy savings and noise reduction
- Specimen retraction during return stroke with optical indication

Description	Order Number
Standard version	
220-230V; 50-60Hz	**956020**
240V; 50Hz	**956030**
With motorised drive	
220-230V; 50-60Hz	**956060**
240V; 50Hz	**956070**
Standard version with vacutome	
220-230V; 50-60Hz	**956320**
240V; 50Hz	**956330**
With motorised drive and vacutome	
220-230V; 50-60Hz	**956360**
240V; 50Hz	**956370**
Cryostat Stage with mechanical height adjustment	**956100**
Cryostat Stage with motorised height adjustment	
220-230V; 50-60Hz	**956130**
240V; 50Hz	**956140**
Cryostat Stage with mechanical height adjustment and vacutome	
220-230V; 50-60Hz	**956170**
240V; 50Hz	**956180**
Cryostat Stage with motorised height adjustment and vacutome	
220-230V; 50-60Hz	**956210**
240V; 50Hz	**956220**

Accessories	Order Number
Magnetic cleaner	**160030**
Protect II cryostat disinfectant	**350270**
Sanosil, 5l	**175190**
Flat cryostat brush	**334160**
Goat hair brush	**334170**
Brush, bevelled	**334180**
Cryostat oil, 100ml	**350040**
Rust preventing oil, 100ml	**350070**
Lubricating oil, 100ml	**350110**
Glass anti-roll plate 69.5mm	**449980**
Glass anti-roll plate, 39.5mm	**449990**

Accessories	Order Number
Anti-roll guide system for standard blade holder SM	**566640**
Standard blade holder SM/SMV basic part	**566790**
Anti-roll guide SMV	**566820**
Heat extractor	**524510**
Cryo-moulds, 10mm	**570400**
Cryo-moulds, 15mm	**570380**
Cryo-moulds, 22mm	**570390**
Disposable blade holder SE with anti-roll guide system	**705710**
Disposable blade holder SEV with anti-roll guide system	**705720**
Special anti-roll guide system	**566810**

see page 96 for blades

see page 41 for specimen stages

Thermo Scientific Cryotome® FSE Cryostat

Fifth-generation instrument designed to meet the needs of clinical settings

Features spacious chamber, coloured cryocassettes and a superior bladeholder design for easily obtaining quickly identifiable frozen sections. Produce high-quality frozen sections with less user fatigue.

Cryochamber Features

- Spacious chamber with temperature controls from 0°C to -35°C
- Cryobar with adjustable temperature controls and dedicated cryobar refrigeration system (to -55°C) rapidly cools specimen to prevent freezing artifact formation
- Rapid temperature response reduces turnaround time; Cryotome cools rapidly from ambient to set temperature in as little as two hours
- Dual compressor system ensures specimen integrity by keeping specimen frozen if cryobar fails

Microtome Features

- Microtome outside of the cryochamber makes it easier and quicker to clean
- Lateral movement of blade holder eliminates need to unclamp and reclamp blade, maximising blade usage
- Colour-coding identifies lever functions
- Angle of clamp plate enables easy specimen pick-up; “quickheated” specimen release allows easy removal of specimen from cryocassette
- Section thickness adjustment: 1 to 20µm in 1µm increments, 20 to 60µm in 5µm increments
- Vertical cutting stroke of 57mm
- Total horizontal specimen advance of 25mm
- Trim wheel, 8µm indents
- Motorised coarse advance: 1mm/sec

Ergonomic / Safety Features

- Simple, intuitive, multi-lingual touch-screen display for easy operation
- Cryostat features formaldehyde fumigation of the cryochamber - a method proven effective against tuberculosis and many other known pathogens
- Multi-level security code protection prevent unauthorised access and protocol alterations; remote alarm in case of system failure
- Automatic formalin fumigation cycle disinfects cryochamber
- Positive-locking flywheel prevents injury while working around blade and specimen
- Raised cutting area and three-level adjustable footrest reduce fatigue
- Specimen holder temperature control allows enhanced sectioning of a variety of tissue types; 0°C to 45°C, within ±10°C of chamber temperature

Physical Specifications

Dimensions (not inc. handwheel) (D x W x H): 74 x 70 x 125cm; max. working height: 105cm

Weight: 125kg

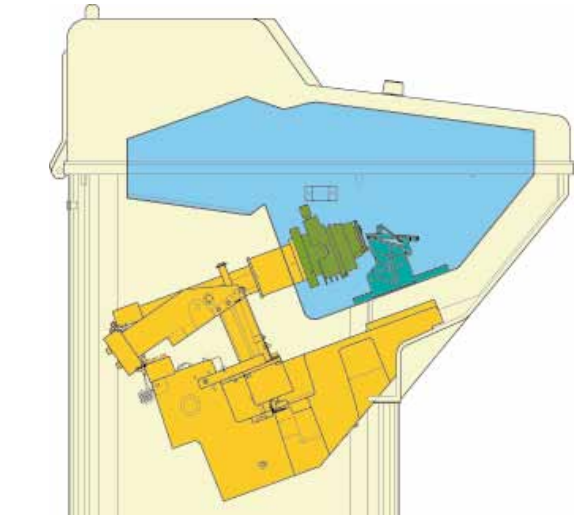
Power Requirements: 220 - 240V; 50/60Hz

Includes

Cryocassettes (various sizes), cassette handle, three heat extractors (standard, half-weight and double weight), spanner, debris brush, specimen brush, operator guide, operator guide CD, installation instructions, service record book, debris tray, cryo-bar shelf, right-hand storage shelf, cryobar identification and location cover, cryobar cover.

Certificates and Compliance

Designed to meet IEC 61010, CSA, UL and CE mark (IVDD compliant)



Microtome outside of chamber allows for easy decontamination and cleaning as well as faster temperature adjustment.

Spacious cryochamber and colour-coded cryocassettes facilitate easy patient specimen identification

Description	Order Number
Cryotome FSE; 230V; 50Hz	**A78900003**

Accessories	Order Number
Solid blade holder	**A78910047**
Low profile blade holder	**A78910032**
High profile blade holder	**A78910033**
Glass anti-roll plate	**A78930200**
Perspex anti-roll plate	**A78910075**
Cryobar cover	**A78910041**
Debris tray	**A78910039**
Heat extractor, standard	**A78910014**
Heat extractor, double-weight	**A78910037**
Heat extractor, half-weight	**A78910036**
Debris brush	**P12257**
Sections brush	**P12940**
Camel hair brush	**1910**
Tool shelf (60mm)	**A78930121**
Wide shelf (80mm)	**A78930063**

see page 96 for blades

see page 42 for cryocassettes

Thermo Scientific HM525 Cryostat

Manual, open-top cryostat with ergonomic design for routine histology applications.

Cryochamber Features

- Cabinet temperature control down to -35°C
- Freezing station for 27 specimens (30mm stages) including peltier down to -60°C for four specimens
- LCD screen indicates set and actual temperature
- Automatic 24-hour defrost with interrupt function
- Removable heated window

Microtome Features

- Stainless-steel microtome equipped with maintenance-free cross-roller bearings
- Memory function provides quick, predefined advance of specimen to the blade edge
- Extra-wide (69.5mm) glass anti-roll plate for easy flattening and positioning of sections
- Section thicknesses from 1 to 100µm
- Trim section thicknesses from 5 to 500µm
- Motorised coarse feed
- Horizontal feed range of 28mm
- Vertical cutting stroke of 60mm

Ergonomic / Safety Features

- Automatic specimen retraction on return stroke
- Mechanical handwheel lock
- Optional UV surface disinfection

Physical Specifications

Dimensions (not inc. handwheel) (D x W x H): 76 x 64 x 120cm

Weight: 125kg

Power Requirements: 220 - 240V; 50/60Hz

Includes

Six specimen stages (30mm), freezing medium (118ml), cryostat oil (100ml), debris brush, sectioning brush, distance pieces, section waste tray, tools and operator guide.

Description	Order Number
HM525 basic instrument	
220V; 60Hz	**956625**
220-230V; 50Hz	**956621**
240V; 50Hz	**956626**
HM525 with UV disinfection	
220V; 60Hz	**956635**
220-230V; 50Hz	**956631**
240V; 50Hz	**956636**

Accessories	Order Number
Magnetic cleaner	**160030**
Detachable block with six positions	**522500**
Heat extractor	**524490**
Solid blade holder	**705460**
Disposable blade holder EC-70	**705630**
Specimen chuck 30mm (colour coded)	**715220**
Specimen chuck 40mm (colour coded)	**715230**
Freezing disc 40mm	**715690**
Protect II cryostat disinfectant	**350270**
Flat cryostat brush	**334160**
Goat hair brush	**334170**
Brush, bevelled	**334180**
Cryo-moulds, 10mm	**570400**
Cryo-moulds, 15mm	**570380**
Cryo-moulds, 22mm	**570390**
Rust preventing oil, 100ml	**350070**
Lubricating oil, 100ml	**350110**
Cryostat oil, 100ml	**350040**

see page 96 for blades

see page 41 for specimen stages

Thermo Scientific Cryotome® 620E Cryostat

Automated advance without motorised sectioning

Features microprocessor-based touch-pad key controls with specimen travel graphic indicator and clear-digital display of cryochamber and cryobar temperatures.

Cryochamber Features

- Well illuminated, stainless-steel chamber utilising open-top design to minimise temperature gain during prolonged use
- Cryochamber temperature extends down to -30°C
- Features foam insulation and automatic, programmable defrost
- Peltier controlled cold spot on cryobar aids quick freezing to -60°C, reducing ice crystal artifact formation
- Accessories in cryochamber are removable for easy cleaning and disinfection of chamber

Microtome Features

- Precision microtome has a light, balanced feel over the complete travel range
- Microtome is housed outside cryochamber for easy cleaning and maintenance
- ACCU-FEED system with 25mm advance can be set at 1-20µm intervals in 1µm increments, and 20-60µm intervals in 5µm increments

Ergonomic / Safety Features

- Cryostat features formaldehyde fumigation of the cryochamber - a method proven effective against tuberculosis and many other known pathogens
- Cryochamber window automatically locks during formaldehyde fumigation
- Fumigation and defrost may be activated instantly or programmed to delay
- Waste fluids drains efficiently into easy-access collection jar
- Includes positive-locking flywheel with three-position lock
- Locking, frost-free window provides a barrier between the user and the specimen

Physical Specifications

Dimensions (not inc. handwheel) (D x W x H): 66 x 64 x 107cm;

Weight: 150kg

Power Requirements: 220 - 240V; 50/60Hz

Includes

X/Y orientation head with specimen temperature control, storage shelf, debris tray, various cryocassettes, service record book, plastic plug, brush, operator guide and operator guide CD.

Certifications and Compliance

Designed to meet IEC 61010, CSA, UL and CE Mark (IVDD compliant).

Description	Order Number
Cryotome 620E electronic cryostat	**620E**

Accessories	Order Number
Universal blade holder	**A78910047**
Low profile blade holder	**A78910032**
High profile blade holder	**A78910033**
Glass anti-roll plate	**A78930200**
Perspex anti-roll plate	**A78910075**
Cryobar cover	**A78910041**
Debris tray	**A78910039**
Heat extractor, standard	**A78910014**
Heat extractor, double-weight	**A78910037**
Heat extractor, half-weight	**A78910036**
Debris brush	**P12257**
Sections brush	**P12940**
Camel hair brush	**1910**
Tool shelf (60mm)	**A78930121**
Wide shelf (80mm)	**A78930063**

see page 96 for blades

see page 42 for cryocassettes

Thermo Scientific Cryostat Blade Holders

Blade Holder Selection Matrix

Description	Order Number	HM560	HM550	Cryotome FSE	HM525	Cryotome 620E
Blade holders for disposable blades						
EC70	**705630**		•		•	
EC for high and low profile blades	**705470**		•		•	
EV for use with vacutome system	**705580**		•			
SEV w. vacutome system; anti-roll system included plus SM & SMV blade holder (566790)	**705720**	•				
SE plus SM & SMV blade holder (566790)	**705710**	•				
Low profile blade holder	**A78910032**			•		•
High profile blade holder	**A78910033**			•		•
Blade holders for solid blades						
Standard	**705460**		•		•	
Standard SM and SMV; anti-roll system required	**566790 + 566820**	•				
Universal blade holder	**A78910047**			•		•

EC70 Disposable Blade Holder

- Suitable for high and low profile disposable blades, with clearance angle adjustment
- Precision dovetail guide and quick clamping mechanism allows for accurate, easy movement
- Includes anti-roll guide and 2 glass anti-roll plates (69.5mm)

Complete	**715810**

EC Disposable Blade Holder

- Suitable for high and low profile disposable blades, with clearance angle adjustment
- Precision dovetail guide and quick clamping mechanism allows for accurate, easy movement
- Includes anti-roll guide and 2 glass anti-roll plates (39mm)

Complete	**705470**

EV Disposable Blade Holder

- For use with vacutome systems; suitable for high and low profile disposable blades
- Equipped with a vacuum anti-roll hood for stretching and disposing of section waste
- Features a slot which is opened and closed by a vacuum-controlled flap
- Includes 2 glass anti-roll plates

Complete	**705580**

SEV Disposable Blade Holder with Anti-Roll Guide System

- Use only in combination with Standard Blade Holder (P/N: 566790)
- For use with vacutome systems and suitable for low profile disposable blades
- Designed to be inserted into Standard Blade Holder SMV
- Entire holder can be moved to the side without the need to unclamp the blade
- Includes anti-roll guide and 2 glass anti-roll plates

Complete	**705720**

Low Profile Disposable Blade Holder

- Lateral movement of blade holder eliminates need to unclamp and reclamp blade
- Colour-coded levers for easy of identification
- Use with low profile disposable blades

Complete	**A78910032**

High Profile Disposable Blade Holder

- Lateral movement of blade holder eliminates need to unclamp and reclamp blade
- Colour-coded levers for easy of identification
- Use with either standard or heavy duty high profile disposable blades to provide a wide range of tissue sectioning options

Complete	**A78910033**

Standard Blade Holder

- For use with standard solid blades
- Clearance angle adjustment and removable clamping jaws
- Precision dovetail guide and quick clamping mechanism allows for accurate, easy movement
- Includes anti-roll guide and 2 glass anti-roll plates

Complete	**705460**

SM and SMV Standard Blade Holder

- For use in systems with or without a vacutome
- Basic part without anti-roll guide for the insertion of either the SEV standard blade holder or standard C and D profile solid blades (up to 185mm)
- Adjustable clearance angle setting
- Magnetic fixation of blade holder or knife via smooth running clamping elements with blade guard effect
- Anti-roll guide can be set via a vertical setting screw

Complete	**566790**

Universal Blade Holder

- Accepts standard C and D profile blades up to 220mm; standard length is 120mm
- Can be used with either standard steel blades or with a disposable blade holder
- Use in conjunction with disposable blade holders (P/Ns: 40 or 47)

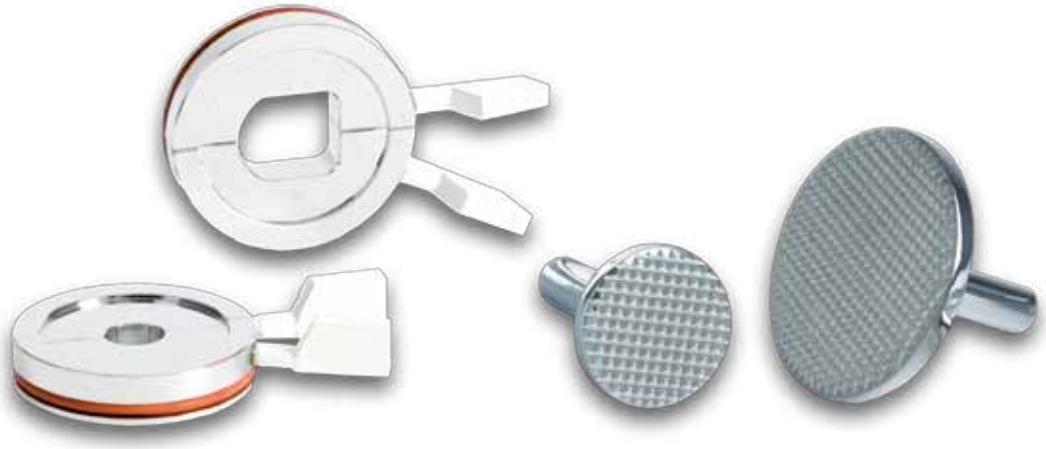
Complete	**A78910047**

see page 96 for blades

Thermo Scientific Specimen Staging Solutions

Description	Order Number	HM560	HM550	Cryotome FSE	HM525	Cryotome 620E
Specimen Stages						
20mm Specimen Stage	**715700**		•			
30mm Specimen Stage	**715220**				•	
30mm Specimen Stage	**715710**		•			
30mm Specimen Stage	**715600**	•				
40mm Specimen Stage	**715230**				•	
40mm Specimen Stage	**715720**		•			
40mm Specimen Stage	**715610**	•				
60mm Specimen Stage	**715620**	•				
50 x 50mm Specimen Stage	**715730**		•			
50 x 50mm Specimen Stage	**715630**	•				
55 x 55mm Specimen Stage	**715740**		•			
60 x 55mm Specimen Stage	**715750**		•			
75 x 50mm Specimen Stage	**715640**	•				
75 x 70mm Specimen Stage	**715760**		•			

Thermo Scientific Specimen Staging Solutions (cont.)



Description	Order Number	HM560	HM550	Cryotome FSE	HM525	Cryotome 620E
Cryocassettes						
9.5mm, cryocassette; annular with handle (4pk.)	**77210153**			•		
25mm, cryocassette; crosshatched (6pk.)	**A78910056**			•		
25mm, cryocassette; annular with handle (4pk.)	**77210150**			•		
35mm, cryocassette; annular with handle (4pk.)	**77210151**			•		
40mm, cryocassette; crosshatched (6pk.)	**A78910031**			•		
40 x 28mm, cryocassette; crosshatched (4pk.)	**A78910057**			•		
45mm, cryocassette; annular with handle (4pk.)	**77210152**			•		
Variety pack (1 ea. 77210150 to 77210153)	**77210154**			•		
Cryocassette handle (4pk.)	**A78910058**			•		
25mm cryocassette; annular (5pk.)	**0620-405**					•
10 x 10mm, cryocassette; (5pk.)	**0620-007**					•
25 x 25mm, cryocassette; (5pk.)	**0620-001**					•
35 x 35mm, cryocassette; (5pk.)	**0620-039**					•
35mm, cryocassette; (5pk.)	**0620-041**					•
45mm, cryocassette; (5pk.)	**0620-036**					•
28 x 40mm, cryocassette; (5pk.)	**0620-026**					•
25mm heavy duty cryocassette; (5pk.)	**603**					•
Variety pack (1 ea. 0620-405 to 603)	**A77210155**					•
Cryo-Moulds						
Cryo-Mould, 10mm	**570400**	•	•		•	
Cryo-Mould, 15mm	**570380**	•	•		•	
Cryo-Mould, 22mm	**570390**	•	•		•	

Thermo Scientific Cryostat Accessories

Description	Order Number	HM560	HM550	Cryotome FSE	HM525	Cryotome 620E
Glass anti-roll plate; 69.5mm (2pk.)	449980		•		•	
Glass anti-roll plate; 39.5mm (2pk.)	449990	•	•			
Glass anti-roll plate	A78930200			•	•	•
Perspex anti-roll plate	A78910075			•		•
Heat extractor	524490		•		•	
Heat extractor	524510	•				
Heat extractor; standard	A78910014			•		
Heat extractor; double-weight	A78910037			•		
Heat extractor; half-weight	A78910036			•		
Freezing disc	715690		•		•	
Coarse filter (25pk.)	281070	•	•			
Fine filter (1pk.)	281060		•			
Microfilter	624100	•				
Cryostat oil #407	350040	•	•		•	
Flat cryostat brush; 10mm	334160	•	•	•	•	•
Goat hair brush	334170	•	•	•	•	•
Debris brush; wide	P12257	•	•	•	•	•
Sections brush; narrow	P12940	•	•	•	•	•
Camel hair brush	1910	•	•	•	•	•
Magnetic cleaner	160030	•	•		•	
Cryobar cover	A78910041			•		
Debris tray	A78910039			•		•
Tool shelf; 60mm	A78930121			•		•
Wide shelf; 80mm	A78930063			•		•
Sanosil	175190		•		•	

Thermo Scientific Microtome Range and Selection Guide

Thermo Scientific HM355S

Thermo Scientific Finesse ME+

Thermo Scientific HM450

Microtome Features	HM355S	Finesse ME+	HM340E	HM325	Finesse 325	HM450	HM430
See Page No.	45	48	50	51	52	53	54
Rotary	•	•	•	•	•		
Sliding						•	•
Cross-roller bearing vertical guideways	•	•	•	•	•		
Specimen trimming	•	•	•	•			
Specimen retraction	•	•	•	•	•	•	
Detachable operation panel	•	•	•				
Manual coarse advance				•	•		•
Motorised coarse advance	•	•	•			•	
Stepping motor technology	•	•	•				
Section / trim thickness range	0.5 - 500µm	0.5 - 100µm	0.5 - 500µm	0.5 - 60µm	0.5 - 60µm	0.5 - 500µm	0.5 - 60µm
Motorised sectioning	•	•					
Handwheel locks in any position	•	•	•	•	•		
Integrated waste tray	•	•	•	•	•	•	•
“Rocking” mode		•			•		
Macro / SuperMega capability (vertical stroke)	•	•	•	•			
Compatible with Cool-Cut	•		•	•			
Compatible with Section Transfer System (STS)	•		•	•			
Resin cutting capability	•	•					

Thermo Scientific HM355S Automated Microtome

Extraordinary ergonomic characteristics with reproducible precision

A fully motorised rotary microtome designed for all applications in clinical, research and industrial labs

Features

- One of the safest, most ergonomic and intuitive fully automated rotary microtomes available
- Automated sectioning can be operated via velocity knob, start button or optional foot pedal
- Accidental start prevented by double click operation
- Ergonomic removable control panel can be located on either side of the microtome
- Memory function for specimen positioning
- Touch-pad keyboard to select section thickness, sectioning mode, speed and memory function
- Easy switch between thickness settings for TRIM and SECTION/FINE
- X/Y fine orientation with reproducible zero positioning
- "Rocking mode" speeds up the trimming process by transmitting the movement of the hand wheel directly to the object
- Automatic brake following motorised action
- Easily accessible emergency stop button
- 4 motorised modes of operation (single section, interval, multi sections, and continuous)
- Programmable cutting window
- Motorised specimen advance
- Specimen retraction (can be deactivated)
- Longest stroke length available (72mm) allows high quality sections even of Macro / SuperMega cassettes
- Large removable section waste tray covers the entire working area

Physical Specifications

Dimensions (D x W x H): 52 x 41 x 28cm
Weight: 35kg
Total Specimen Advance: 28mm
Cutting Stroke: 72mm
Sectioning Speed: 0 – 450mm/s
Section Thickness Range: 0.5 - 100µm
Trim Thickness Range: 5 - 500µm
Retraction: 40µm

Includes

100ml Para/Guard™, standard tools, brushed aluminium cover plate, dust cover, instruction manual.

Description	Order Number
HM355S without clamp and blade holder	**905130**

Accessories	Order Number
Blade holder N	**705820**
Blade holder C	**705810**
Disposable blade holder E	**705800**
Disposable blade holder ER (recommended for Macro/SuperMega Cassettes)	**705830**
Universal cassette quick release clamp orienting head	**715020**
Universal cassette quick release clamp fixed head	**546060**
Standard cassette vice clamp	**715010**
Macro/SuperMega Cassette clamp	**716130**
Quick release clamp for embedding rings	**715560**
Clamp for round specimens	**546180**
Round Specimen Clamp Set	**715580**
6 - 9mm insert for round clamp	**546190**
9 - 14.5mm insert for round clamp	**546270**
15 - 21mm insert for round clamp	**546200**
22 - 28mm insert for round clamp	**546210**
Foil clamp to be fitted in standard specimen clamp	**715040**
“V” insert	**715100**
“V” distance piece	**715320**
Segment arc	**715590**
Universal spec. holder for segment arc	**715060**
Histo Collimator (220V)	**755120**
Large field magnifier (220V)	**760160**
Stereomicroscope Zeiss Stemi 2000, including adapter	**755210**
Foot pedal	**640380**

see page 96 for blades

Thermo Scientific Cool Cut and Section Transfer System

Simplify workflow at the microtome with two specially designed accessories which integrate seamlessly with HM355S, HM340E and HM325 rotary microtomes

Thermo Scientific HM355S fitted with Cool-Cut and Section Transfer System

Thermo Scientific Cool Cut

Features

- Designed to maintain a cool, consistent temperature for paraffin blocks during the sectioning process
- Peltier device fits directly onto the specimen cylinder of the rotary microtome and can be equipped with a universal cassette clamp or a standard specimen clamp
- Particularly effective during extended cutting periods for “step sections” or “serial sections” through the paraffin block

Includes

Peltier device with integrated specimen clamp, counter-balance weights and power supply.

Description	Order Number
With universal cassette clamp	**771110**
With standard clamp	**771120**

Thermo Scientific Section Transfer System

Features

- Adjustable, laminar water flow rate produces more usable sections per block
- Selectable water temperature from ambient temperature up to + 45°C
- Illuminated, aluminium water bath
- Specially designed TE disposable blade holder supports the transfer ramp

Includes

Control unit, water bath with lid, section transfer unit, TE disposable blade holder and cables.

Description	Order Number
For microtomes with dovetail guideway	**771190**
For microtomes with bar guideway	**771200**
Orientable special specimen clamp	**715550**

Thermo Scientific Finesse® ME+ Electronic Microtome

Meets the most demanding workloads found in today's busy laboratories

A fully motorised rotary microtome for easy sectioning of paraffin and hard specimens in clinical, research and industrial applications

Features

- One of the safest, most comfortable, and user-friendly microtomes offered today
- Excellent for routine wax sections and specialized resin work
- Provides high-quality sections without the inconvenience of routine maintenance
- Offers unmatched versatility, ease-of-use, reliability, and consistency of results
- Improved blade holder provides greater versatility, improved productivity, and increased stability while sectioning
- Choose settings for standard wax or resin sectioning
- Display monitors a range of functions including cutting speed, section count, section thickness, and advance distance
- Arrow keys control specimen advance and rewind
- Includes selectable retraction feature
- Instantly switch between TRIM and SECTION settings; trim and section speeds are independently selectable
- Autoload option automatically resets specimen head to a ready position for quickly changing blocks on high-throughput projects
- Rock mode: specimen head advances by a set amount to trim specimens without turning the handwheel through full turns
- Emergency stop immediately cuts power to the motor
- User-selected cutting sector control maximises throughput by allowing the return stroke to be faster than the optimised cutting stroke
- Three cutting modes include continuous cutting
- Choose from 11 languages for viewing commands
- Standby key allows the unit to go into "sleep" mode which saves the customized parameters in memory
- Wide, curved arm rests
- Precision-response, free-running, balanced flywheel
- Operational from front or side positions

Technical Specification

- Total Specimen Advance: 35mm
- Cutting Stroke: 65mm
- Maximum Advance Speed: 2400µm/s
- Section Thickness Range: 0.5 - 100µm
- Trim Thickness Range: 2 - 100µm
- Retraction Range: 0 - 125µm
- Section Counter
- Distance Display
- Multi-lingual Display
- Blade-angle position locator
- Specimen Orientation Light

Physical Specifications

Dimensions (D x W x H) 59 x 48 x 33cm

Weight: 40kg

Power Requirements: 150VA

Note: *Low voltage adaptor kit must be installed by a qualified technician; please specify at time of order*

Includes

Fine-orienting head, standard quick release specimen clamp, operator guide (specify language when ordering), top organiser tray, debris tray, dust cover, footswitch and service record book.

Certifications and Compliance

IEC 61010, CSA, UL, and CE Mark (IVDD compliant)

Description	Order Number
Finesse ME+	**A77500015**

Accessories	Order Number
Low profile disposable blade holder	**A77510272**
High profile disposable blade holder	**A77510275**
Solid blade holder	**77510171**
Ralph glass blade holder	**77510168**
Triangular glass blade holder	**77510170**

Accessories	Order Number
60 x 55mm vice (macro cassettes)	**77510167**
50 x 45mm vice	**0201**
50 x 30mm vice	**0214**
25 x 30mm vice	**0313**
Standard quick release clamp	**0303**
10mm spacer bar	**0215**
Large “V” spacer (fits 0201; 0214)	**0216**
Small “V” spacer (fits 0201; 0214)	**0220**
Thin foil specimen holder (fits 0214; 0313)	**0223**
JB4 resin clamp (fits 0201)	**77510178**
EBH-2 resin clamp (fits 0201)	**A77510181**
Fixed orienting head	**77510164**
Cold point light source (230V Schuko)	**77510252**
Cold point light source (230V UK)	**77510261**
Camel hair brush	**1910**
Cooling tray; ice cooled	**77510174**
Cooling tray; dry cooled	**77510175**
Service manual	**77510162**

see page 96 for blades

Thermo Scientific HM340E Semi-Automated Microtome

Multi purpose microtome for routine and research

Features

- Universal, multi-purpose microtome with high section stability
- Ergonomic removable control panel can be located on either side of the microtome
- Touch-pad keyboard controls thickness, mode and speed
- Easy switch between thickness settings for TRIM and SECTION/FINE
- Memory function for section positioning
- X/Y fine orientation with zero positioning
- The "rocking mode" speeds up the trimming process by transmitting the movement of the hand wheel directly to the object
- Automatic brake following motorised action
- Easily accessible emergency stop button
- Programmable cutting window
- Motorised specimen advance
- Specimen retraction (can be deactivated)
- Longest stroke length available (72mm) allows high quality sections of Macro / SuperMega cassettes
- Large removable section waste tray covers the entire working area

Physical Specifications

Dimensions (D x W x H): 52 x 41 x 28cm
Weight: 28kg
Total Specimen Advance: 28mm
Sectioning Speed: 0 – 450mm/s
Section Thickness Range: 0.5 - 100µm
Trim Thickness Range: 5 - 500µm
Retraction: 40µm

Includes

100ml Para/Gard™, standard tools, brushed aluminium cover plate, dust cover and operator guide.

Description	Order Number
HM340E without clamp and blade holder	**904010**

Accessories	Order Number
Blade holder N	**705820**
Blade holder C	**705810**
Disposable blade holder E	**705800**
Disposable blade holder ER (recommended for Macro/SuperMega cassettes)	**705830**
Universal cassette quick release clamp orienting head	**715020**
Universal cassette quick release clamp fixed head	**546060**
Standard cassette vice clamp (must be used with P/N: 546080)	**715010**
Macro/SuperMega Cassette clamp	**716130**
Quick release clamp for embedding rings	**715560**
Clamp for round specimens	**546180**
6 - 9mm insert for round clamp	**546190**
9 - 14.5mm insert for round clamp	**546270**
15 - 21mm insert for round clamp	**546200**
22 - 28mm insert for round clamp	**546210**
Foil clamp	**715040**
"V" insert	**715100**
"V" distance piece	**715320**
Segment arc	**715590**
Universal spec. holder for segment arc	**715060**
Zero orienting device	**715200**
Aligner	**556000**
Histo Collimator (220V)	**755120**
Large field magnifier (220V)	**760160**
Foot pedal	**640380**
Stereomicroscope Zeiss Stemi 2000, including adapter	**755210**
Interlock plug	**615190**

see page 96 for blades

Thermo Scientific HM325 Manual Microtome

Premier manual rotary microtome for routine histology

Features

- High stability and precision for premium quality paraffin sections
- Unique section thickness setting with removable knobs allowing operation on both the left and the right hand
- Resettable electronic section counter
- Two quick trim stages (10 µm and 30 µm) independent from the preset fine section thickness
- X/Y fine orientation with reproducible zero positioning
- Manual coarse feed wheel
- Specimen retraction (can be deactivated)
- Longest stroke length available (72mm) allows high quality sections of Macro / SuperMega cassettes
- Large removable section waste tray covers the entire working area

Physical Specifications

Dimensions (D x W x H): 49 x 42 x 28cm
Weight: 23kg
Total Specimen Advance: 28mm
Section Thickness Range: 0.5 - 60µm
Mechanical trim stages (10 µm/30 µm)
Retraction: 40µm

Includes

- 100ml Para/Gard™, standard tools, brushed aluminium cover plate, dust cover and operator guide.

Description	Order Number
Without clamp and blade holder	**902100**

Accessories	Order Number
Blade holder N	**705820**
Blade holder C	**705810**
Disposable blade holder E	**705800**
Disposable blade holder ER	**705830**
Universal cassette quick release clamp orienting head	**715020**
Universal cassette quick release clamp fixed head	**546060**
Standard specimen clamp	**715010**
Quick release clamp for embedding rings	**715560**
Clamp for round specimens	**546080**
6 - 9mm insert for round clamp	**546190**
9 - 14.5mm insert for round clamp	**546270**
15 - 21mm insert for round clamp	**546200**
22 - 28mm insert for round clamp	**546210**
"V" insert	**715100**
"V" distance piece	**715320**
Segment arc	**715590**
Universal spec. holder for segment arc	**715060**
Histo Collimator (220V)	**755120**
Large field magnifier (220V)	**760160**

see page 96 for blades

Thermo Scientific Finesse® 325 Manual Microtome

Manual rotary microtome for routine histology

A rotary microtome designed for all applications of paraffin and hard specimens in clinical, research and industrial labs

Features

- Precision-response, free-running flywheel with ergonomic design
- Brake may be activated at any position of the flywheel
- Retraction feature is standard and may be disengaged at the user's request
- Supplied with a quick-release cassette clamp and X/Y orientation head as standard
- Disposable blades or standard microtome blades may be used with this unit (with appropriate knife holder)
- Modern ACCU-FEED system provides high-quality reproducible sections throughout the length of specimen travel
- ACCU-FEED specimen advance is selectable in 1 micron steps from 1 to 30 microns
- Specimen tilt/orientation is ±5° using X/Y micro adjustment
- Removable deep debris tray for ease of cleaning
- Removable organizer tray located at the top of the unit for cassette organization and tools
- Specify blade holder at time of order
- Quick-release cassette holders and visas are available separately

Includes

Fine-orienting head, standard quick-release clamp specimen travel alarm/indicator, resettable section counter, organizer tray, debris tray, dust cover, microtome oil, operator guide, specify language, service record book.

Certifications and Compliance

CE Mark (IVDD compliant)

Description	Order Number
Finesse 325	**A78100001**

Accessories	Order Number
Low profile blade holder	**0321**
High profile blade holder	**0322**
Universal blade holder	**0318**
50 x 45mm vice	**0201**
50 x 30mm vice	**0214**
25 x 30mm vice	**0313**
10mm spacer bar	**0215**
Large "V" spacer (fits 0201; 0214)	**0216**
Small "V" spacer (fits 0201; 0214)	**0220**
Thin foil specimen holder (fits 0214; 0313)	**0223**
Camel hair brush	**1910**

see page 96 for blades

Thermo Scientific HM450 Electronic Sliding Microtome

Unique, electronic sliding microtome with automatic fine sectioning and trimming

Features

- For routine histology, biological/botanical applications and for industrial samples
- Integrated blade holder glides along a maintenance-free, precision, cross-roller bearing system ensuring fast, comfortable and non-tiring operation
- Incorporates stepping motor technology to assure precise, accurate specimen advancement
- Trimming function allows for precision block trimming prior to the sectioning function
- Automatic or manual sectioning can be selected
- User-friendly control panel allows for easy setting of sectioning parameters
- Display panel for selection of section counter, step sum, remaining travel and specimen position memory function
- Selectable specimen retraction
- Motorised coarse feed with three different speed settings
- Integrated removable waste tray
- X/Y fine orientation with reproducible zero positioning
- Blade holder with integrated, movable blade guard
- Ergonomic handle for moving blade holder

Includes

Dust cover and operator guide

Physical Specifications

Accommodates specimens up to 80 x 60mm
Section thickness range: 0.5 to 100µm
Vertical feed range: 40mm (max.)
Horizontal blade stroke: 190mm (max.)
Dimensions (D x W x H): 48 x 38 x 32cm
Weight: 26kg

Description	Order Number
HM450	**910020**

Accessories	Order Number
Blade holder insert with Eccentric Fast Clamping	
For low profile blades	**705200**
For high profile blades	**705340**
Wooden storage case	**152160**
Brain research freezing platform	**981000**
Low profile disposable blade holder (1 blade)	**705430**
Wooden storage case for 705430	**705490**
Low profile disposable blade holder (2 blades)	**705440**
Wooden storage case for 705440	**705500**
5mm Height adjustment plate	**448070**
10mm Height adjustment plate	**440400**
20mm Height adjustment plate	**440410**
Standard Specimen Clamp with waste tray	**715470**
Standard Specimen Clamp without waste tray	**715480**
Universal cassette clamp with waste tray	**715490**
Drip tray for standard and universal cass. clamp	**502140**

see page 96 for blades

Thermo Scientific HM430 Manual Sliding Microtome

Sliding microtome with smooth running knife sledge for ease of use in routine histology and research applications

Features

- Selection of the stroke length depending on the size of the specimen
- Integrated blade holder glides along a maintenance-free, precision, cross-roller bearing system
- Easy knob turn selects manual or automatic advance
- Integrated removable waste tray
- X/Y fine orientation with reproducible zero positioning
- Blade holder with integrated, movable blade guard
- Ergonomic handle for moving blade holder

Includes

Dust cover and operator guide

Physical Specifications

Accommodates specimens up to 80 x 60mm
Section thickness range: 1 to 60µm
Vertical feed range: 40mm (max.)
Horizontal blade stroke: 190mm (max.)
Dimensions (D x W x H): 48 x 31 x 32cm
Weight: 26kg

Description	Order Number
HM430	**910010**

Accessories	Order Number
Blade holder insert with Eccentric Fast Clamping	
For low profile blades	**705200**
For high profile blades	**705340**
Wooden storage case	**152160**
Low profile disposable blade holder (1 blade)	**705430**
Wooden storage case for 705430	**705490**
Low profile disposable blade holder (2 blades)	**705440**
Wooden storage case for 705440	**705500**
5mm Height adjustment plate	**448070**
10mm Height adjustment plate	**440400**
20mm Height adjustment plate	**440410**
Standard Specimen Clamp with waste tray	**716090**
Standard Specimen Clamp without waste tray	**716080**
Universal cassette clamp	
With waste tray	**715490**
Without waste tray	**715500**
Drip tray for standard and universal cass. clamp	**502140**

see page 96 for blades

Thermo Scientific Microtome Blade Holders

Blade Holder Selection Matrix

Description	Order Number	HM 355S	Finesse ME+	HM 340E	HM 325	Finesse 325	HM 450	HM 430
Blade holders for disposable blades								
E for high and low profile blades	**705800**	•		•	•			
ER for high and low profile blades	**705830**	•		•	•			
Low profile blade holder	**A77510272**		•					
High profile blade holder	**A77510275**		•					
Low profile blade holder	**0321**					•		
High profile blade holder	**0322**					•		
Eccentric fast clamping; low profile	**705200**						•	•
Eccentric fast clamping; high profile	**705340**						•	•
For single low profile blade	**705430**						•	•
For two low profile blades	**705440**						•	•
Blade holders for solid blades								
Universal solid blade holder	**0318**					•		
Standard solid blade holder N	**705820**	•		•	•			
Solid blade holder C	**705810**	•		•	•			
Solid blade holder	**77510171**		•					
Ralph glass blade holder	**77510168**		•					
Triangular glass blade holder	**77510170**		•					

E Disposable Blade Holders

- With quick clamp system for high and low profile blades, clearance angle adjustment
- Movable blade guard with scale covers the entire blade in any position

Complete for HM325	**705640**
Complete for HM355S / HM340E	**705800**

ER Disposable Blade Holders

- With quick clamp system for high and low profile blades, clearance angle adjustment
- Clamping plate moves laterally to move the blade without needing to unclamp
- Used for cutting Macro/SuperMega cassettes (vertically)
- Movable blade guard covers the entire blade in any position
- Removable cutting angle adjustment lever

Complete for HM355S / HM340E	**705830**

High and Low Profile Disposable Blade Holders for Finesse® ME+

- Improved clamping mechanism reduces the need for blade holder maintenance and improves reliability
- Large clamp plate allow easy section retrieval and clamps blade fully along its length
- Entire top stage moves laterally for increased safety
- Reduced wear on clamping mechanism

Complete low profile	**A77510272**
Complete high profile	**A77510275**

High and Low Profile Disposable Blade Holders for Finesse® 325

- With quick clamp system for high and low profile blades
- Clearance angle adjustment
- Provides a wide range of tissue sectioning

Complete low profile	**0321**
Complete high profile	**0322**

Universal Solid Blade Holder

- For use with the Thermo Scientific Finesse 325 only
- Accepts standard C or D profile blades up to 185mm
- Use with standard steel blades or with disposable blade holders P/Ns 40 or 47

Complete	**0318**

Standard Solid Blade Holders N

- With integrated blade guard and clearance angle adjustment
- Blade height can be adjusted by means of a guidance bar
- Removable cutting angle set lever

Complete for HM355S / HM340E	**705820**

Solid Blade Holders C

- Stable version for use with tungsten carbide and conventional blades
- Central clamping plate provides optimal stability where the cutting forces are highest
- Allows full use of the entire blade edge and clearance angle adjustment
- Removable cutting angle set lever

Complete for HM355S / HM340E	**705810**

Solid Blade Holder

- For use with the Thermo Scientific Finesse ME+ only
- Accepts commonly used blades
- Blade guard covers unused part of the blade and can be closed fully to cover entire blade
- Includes blade angle memory position indicator

Complete	**77510171**

Ralph Glass Blade Holder

- For use with the Thermo Scientific Finesse ME+ only
- Use to cut resin sections
- Cuts down to 1 micron

Complete	**77510168**

Triangular Glass Blade Holder

- For use with the Thermo Scientific Finesse ME+ only
- Use to cut resin sections
- Cuts down to 0.5 micron

Complete	**77510170**

see page 96 for blades

Thermo Scientific Microtome Specimen Clamps

Specimen Clamp Selection Matrix

Description	Order Number	HM 355S	Finesse ME+	HM 340E	HM 325	Finesse 325	HM 450	HM 430
Quick release specimen cassette clamp	**0303**		•			•		
Standard specimen clamp	**715010**	•		•	•			
Standard specimen clamp; fixed head	**546070**	•		•	•			
Quick release clamp for embedding rings	**715560**	•		•	•			
Universal cassette clamp; orientable	**715020**	•		•	•			
Universal cassette clamp; fixed head	**546060**	•		•	•			
Adjustable universal cassette clamp	**716130**	•		•	•			
Cassette clamp for macro cassettes	**716120**	•		•	•			
60 x 55mm vice	**77510167**		•			•		
50 x 45mm vice	**0201**		•			•		
50 x 30mm vice	**0214**		•			•		
25 x 30 vice	**0313**		•			•		
10mm spacer bar	**0215**		•			•		
Small “V” spacer	**0220**		•			•		
Large “V” spacer	**0216**		•			•		
Thin foil specimen holder	**0223**		•			•		
JB4 resin clamp (fits 0201)	**77510178**		•			•		
EBH-2 resin clamp	**A77510181**		•			•		
Foil clamp fitted directly to specimen cylinder	**715030**	•		•				
Foil clamp for use with standard specimen clamp	**715040**	•		•	•			
Sandwich supporting material	**175010**	•		•				

Description	Order Number	HM 355S	Finesse ME+	HM 340E	HM 325	Finesse 325	HM 450	HM 430
Round specimen clamp with no inserts	546180	•		•				
Round specimen clamp with all inserts	715580	•		•				
6mm insert for round specimens; used with standard specimen clamp	715070	•		•				
15mm insert for round specimens; used with standard specimen clamp	715080	•		•				
19mm insert for round specimens; used with standard specimen clamp	715280	•		•				
25mm insert for round specimens; used with standard specimen clamp	715090	•		•				
Light jaw for use with insert for round specimen	546080	•		•				
"V" insert	715100	•		•	•			
"V" distance piece	715320	•		•	•			
Segment arc	715590	•		•	•			
Universal specimen holder	715060	•		•	•			
30mm specimen stage	715360	•		•	•			
40mm specimen stage	715370	•		•	•			
40 - 50mm specimen stage	715380	•		•	•			
Quick release clamp for embedding rings; with waste tray	716090						•	
Quick release clamp for embedding rings; without waste tray	716080						•	•
Standard specimen clamp with waste tray	715470						•	•
Standard specimen clamp without waste tray	715480						•	•
Universal cassette clamp with waste tray	715490						•	
Universal cassette clamp without waste tray	715500						•	•
Fine orientating head	77510166		•					
Fixed head	77510164		•					

Thermo Scientific Microtome Accessories

Accessory Selection Matrix

Description	Order Number	HM 355S	Finesse ME+	HM 340E	HM 325	Finesse 325	HM 450	HM 430
Large field magnifier; 220V	**760160**	•		•	•			
Large field magnifier; 110V	**760170**	•		•	•			
Histo collimator, 220V	**755120**	•		•	•			
Histo collimator, 110V	**755130**	•		•	•			
Cold point light source, 220V (UK)	**77510261**		•					
Cold point light source, 220V (Euro)	**77510252**		•					
Cold point light source, 110V	**77510262**		•					
Foot pedal	**640280**	•						
Specimen transfer system for bar guideway	**771200**	•		•	•			
Cool-Cut with universal clamp	**771110**	•		•	•			
Cool-Cut with standard clamp	**771120**	•		•	•			
Zeiss stemi 2000 stereomicroscope	**755210**							

Thermo Scientific HM650V Vibrating Blade Microtome

Innovation in sectioning

Features

- Designed for cutting fixed and unfixed tissue samples as well as non-biological specimens without the need for freezing or embedding
- The patented vibrating system reduces artifacts by minimizing damage to the cells
- Amplitude and frequency can be set independently which ensures the optimal combination for every possible specimen
- Cutting speed can be selected between 0 – 50 mm/sec in 0.1 increments
- Simple operation by intuitive multilingual user panel and the possibility to store 10 user defined parameter settings
- Three modes of operation: semi-manual, single and continuous
- Adjustable cutting window
- 8° X/Y-orientation of the buffer tray
- Cooling of buffer solution and specimen is guaranteed by special cooling elements
- Removable buffer tray

Includes

Basic instrument (without large field magnifier and cold light source), cooling element with buffer solution, buffer tray, specimen stages, tool shelf, dust cover and operator guide.

Physical Specifications

Accommodates Specimens up to 45 x 45mm

Fine and trim section thickness via stepping motor from 0 to 1500µm

Amplitude adjusted from 0 to 1.2mm in 0.1mm increments

Frequency of vibration adjusted from 30 to 100Hz

Motorised cutting movement from 0 to 5mm/s

Dimensions (D x W x H): 52 x 38 x 28cm

Weight: 30kg

Description	Order Number
HM650V	**920120**

Accessories	Order Number
Adapters	
For special (e.g. injector) disposable blades	**152510**
For sapphire and zirconium blades	**152520**
For commercially available razor blades	**152530**
PE buffer tray	**648200**
B specimen stage (2 - 10mm tissue)	**715800**
F specimen stage (10 - 45mm tissue)	**715810**
K specimen stage (10 - 45mm tissue)	**715820**
Cooling element for buffer solution	**648210**
CU 65 cooling device (220 V)	**770170L**
CU 65 cooling device (110 V)	**770180L**
Large field magnifier; 100 - 120V	**760170**
Zeiss Stemi 2000 stereomicroscope	**755050**
KL cool light source	**760317**
Swan-neck light guide	**760320**
Foot pedal	**640280**

Thermo Scientific Disposable Blades

High and low profile configurations for virtually any application

Blade Type	Low Profile Blades					High Profile Blades	
Description	**MX35 Ultra**	**MX35 Premier +**	**MX35 Premier**	**MB Dynasharp**	**MB22 Premier**	**HP35 Ultra**	**HP35**
Order Number	**3053835**	**3052835**	**3051835**	**3050836**	**3050822**	**3153735**	**3150734**
Edge Angle	34°	34°	34°	34°	22°	34°	34°
Soft Tissue	•	•	•	•	•	•	•
Hard Tissue	•	•				•	
Cryostat	•	•	•	•	•	•	
Thin Sectioning	•	•	•	•	•	•	•
Biopsies & Recuts	•	•	•	•		•	

Disposable Blade Matrix Key: • - Good; • - Best

see page 96 for blades

Thermo Scientific Varistain® Gemini ES Automated Slide Stainer

Multi-dimensional stainer maximises efficiency by organising your staining workflow

Intuitive software makes it possible for Varistain Gemini to perform separate protocols simultaneously with multiple 20-slide baskets in process. Units have six water stations, 26 reagent stations and a total of four configurable doors for loading and unloading. Ergonomic control panels, two loading doors and two unloading doors make stainer convenient to operate. Two level design saves bench space; lower level staining stations are on a turntable for easy access to all stations from the front of the machine.

Performance

- With the touch of a single button, easy-to-use software schedules runs, allocates reagents, optimises reagent plan and calculates most efficient route for each protocol
- Open system uses Thermo Scientific stains and reagents
- Suggested staining protocols may be easily modified to lab procedures
- Auto-allocation optimises reagent positions and efficiently uses available staining stations by calculating quickest throughput path with shortest moves for each basket
- Urgent Start gives user opportunity to prioritise “urgent” baskets without compromising those already in process
- Auto-return allows user to recall any loaded basket to load door
- Step-start capabilities from any placement
- Quality Control and Safety Features
- Unit displays reagent usage and batch throughput
- Handles fume control with an easy-to-change carbon filter or through connection to an optional external vent adapter kit
- Procedures, reagent layout and a complete event log may be recorded on floppy disk or printed to optional printer for QC records
- Pass code protection secures operator’s customised protocols
- Power supply has a voltage range from 110 - 240V (±10%) and is strong enough to handle power fluctuations including surges, spikes and brownouts
- Battery backup provides approximately 40 minutes of power in the event of a power failure

Physical Specifications

Dimensions (D x W x H): Stainer - 71 x 72 x 88cm; Power Supply - 46 x 35 x 14.5cm

Weight: Stainer - 80kg; Power Supply - 10kg

Power Requirements: 300VA

Includes†

- Cytology stainer (without heat); 35 stain pots supplied, fitted
- Histology stainer (with heat); 30 stain pots supplied, fitted
- Both models contain charcoal filter, staining basket and carrier (2 x 5/pk. ea.), three well water station (2 fitted), single pot covers (6/pk.), multi-pot covers (4/pk.), 2.5m water inlet hose, spare staining pots (3/pk.), monitor cable, screened data cable, operator guide, operator guide CD and service record book.

†Contents, packaging and quantities of inclusions are subject to change without notice.

Certifications and Compliance

Designed to meet IEC 61010, CSA, UL, and CE Mark (IVDD compliant)

Ordering Information

Available with five independently heated positions for drying slides.

Description	Order Number
Without heat	
Dual voltage; no monitor	**A78000003**
Dual voltage; with monitor	**A78000004**
With heat	
Dual voltage; no monitor	**A78000013**
Dual voltage; with monitor	**A78000014**

Accessories	Order Number
Charcoal filters	**7411258**
Static water wash station	**A78010226**
Sakura basket carrier; 5/pk.	**A78010404**
Vent adapter kit	**A78010467**
Pot insert (for manual coverslipping); 3/pk.	**A78010505**
Basket adapter for large slides; 10/pk. (5 pairs)	**A78010510**
Monitor	**B1003368**
Service manual	**A78010403**

Call for information on compatibility with other automatic coverslippers.

Thermo Scientific Varistain® 24-4 Automatic Slide Stainer

Designed for single load, double load and continuous throughput

One piece, bench top unit features user-specified water stations to match your routines. Stations hold 750ml troughs which may be filled to 355ml for 10 slide carriers. Used in cytology, haematology and histology laboratories.

Features

- Stains 64 slides per basket, potentially 1536 (64 x 24) slides/run
- Stores and runs either three 24 step programs or six 12 step programs
- Permits you to program your station times in minutes and seconds precisely
- Pass feature allows you to run two programs while using the same reagents
- Compact design conserves bench top space
- Turntable rotates for convenient access to stations at rear of unit
- Gives consistent results run after run
- Compatible with most automatic coverslippers
- Varistain 24-4K models are configured for continuous operation

Physical Specifications

Dimensions (D x W x H): 74 x 74 x 51cm [65cm Raised]

Turntable diameter:86cm

Weight: 60kg

Power Requirements: 50VA

Includes†

64 position vertical slide carrier (2/pk.), 750ml staining troughs (24/pk.), water wash troughs (4/pk.), 3m water inlet and outlet hose (fitted), operator guide (specify language), instruction sheet and service record book.

†Contents, packaging and quantities of inclusions are subject to change without prior notice.

Certifications and Compliance

Designed to meet IEC 61010, CSA, UL, and CE Mark (IVDD compliant)

Ordering Information

Agitation is available. For greater fume containment, use the Thermo Scientific Hyperclean™ 2 Work Station with the Varistain 24-4. Integrate the Varistain with the Thermo Scientific CTM6 or ClearVue Automatic Coverslippers for even greater time savings and efficiency.

Description	Order Number
Varistain 24-4; 220 - 240V; 50Hz	**74200001**
Varistain 24-4K; 220 - 240V; 50Hz	**74200010**

Accessories	Order Number
Horizontal slide carrier (10 position)	**66610028**
Rack for Sakura Coverslipper	**74210121**
Service manual	**74210100**

Call for information on compatibility with other automatic coverslippers.

Thermo Scientific StainMate Bi-linear Batch Stainer

Providing low cost access to automated staining

The StainMate is a multi-disciplinary bi-linear batch stainer offering low cost access to automated staining in a remarkably flexible package.

Features

- Easy to operate via hand-held LCD controller with 10 program memory for rapid selection of desired protocol
- Highly flexible with a full range of accessories and the ability to expand to a 12-bath capacity
- Connect multiple StainMates to create an instrument suitable for H&E staining
- Truly portable with a minimal footprint and ability to be operated from a 12 Volt power supply
- Available in two 10 bath models - Mini with 38ml baths with individual plastic lids and Max with 200ml baths with an extendable stainless steel lid
- Mega and SuperMega Slides can be stained in the Stainmate Max without compromising throughput. Simply purchase the pair of adaptors and insert them in the standard rack

Multi-Disciplinary Stainer

Histopathology

- Small enough to fit on top of a cryostat, StainMate can be used for rapid H&E staining of frozen sections
- Other applications within Histopathology include: special stains (StainMate Mini), staining of Neuropathology slides and larger Mega and Super Mega slides

Cytology

- Ideal for in-clinic staining, remote from the main laboratory
- Can be used in Non-Gynae clinics for carrying out examination of breast or head and neck fine needle aspirates
- Also suitable for rapid Giemsa and rapid Papanicolau staining

Haematology

- Ideal for May Grünwald / Giemsa staining of blood smears and bone marrow samples

Microbiology

- Handles Gram staining protocols for bacterial differentiation with ease

Physical Specifications

Dimensions (D x W x H): StainMate Max - 239 x 533 x 270mm; StainMate Mini - 147 x 533 x 270mm

Weight: StainMate Max - 8.3kg; StainMate Mini - 6.25kg

Power Requirements: 115V-230V 50/60Hz

Description	Order Number
StainMate Max	**E103/S10L**
StainMate Mini	**E103/S10S**

Accessories	Order Number
Drying module (Max)	**E103/SL/D**
Drying module (Mini)	**E103/SS/D**
Fume hood (Max)	**E103/S10L/FH**
Fume hood (Mini)	**E103/S10S/FH**
External bath (Max)	**E103/SL/EXTB**
External bath with plastic lid (Mini)	**E103/SS/EXTB**
30 slide rack (Max)	**E103/SL/R30**
5 slide rack (Mini)	**E103/SS/R**
Adaptor for Super Mega Slides	**E103/SL/R30A**
Stain bath (Max)	**E103/SL/B2**
Stainless Steel Stain bath lid (Max)	**E103/SL/BL2**
Stain bath (Mini)	**E103/SS/B**
Plastic Staining bath lid (Mini)	**E103/SS/BL**
Water bath (Max)	**E103/SL/WB**
Water bath (Mini)	**E103/SS/WB**
Tap for Mini and Max	**E103/S/TAP**
Plumbing kit	**E103/S/PKIT**

Thermo Scientific Linistat™ Linear Stainer

Compact answer to H&E frozen section protocols

Features

- Efficient footprint fits on top of most cryostats for streamlining workflow during frozen sectioning
- Features include 14 staining stations (20 sec. each), running water and a 13 slide capacity collection tank
- Staining time is under five minutes
- For situations that require hand staining, technician may dip through the stations, eliminating the need to set up separate staining dishes
- Colour-coded slide clips correspond to the coloured slides and coloured frozen section embedding media, Thermo Scientific Cryochrome™

Physical Specifications

Dimensions (D x W x H): 16 x 64 x 27cm

Clearance height: 25cm

Weight: 7.3kg

Power Requirements: 110 - 120V; 60Hz, Maximum 2.0A; 220 - 240VAC, 50/60Hz, Maximum 1.0A

Includes†

Single station staining dishes, double station staining dishes, slide clips and rinse water tubing kit.

† Contents, packaging and quantities of inclusions are subject to change without prior notice.

Description	Order Number
Linistat; 110 - 120V; 60Hz	**B1000200**
Linistat; 220 - 240V; 50Hz	**B1000201**

Accessories	Order Number
Double station staining dishes; 5/pk.	**6754004**
Single station staining dishes; 10/pk.	**6754003**
Slide clips, pink; 25/pk.	**6754005**
Slide clips, white; 25/pk.	**6754002**
Slide clips, blue; 25/pk.	**6754006**
Slide clips, yellow; 25/pk.	**6754007**
Slide clips, green; 25/pk.	**6754008**
Anti-evaporation lid (single station)	**231644**
Anti-evaporation lid (double station)	**231645**
Anti-evaporation lid (triple station)	**231646**
Stainless steel holding tank	**7860260**
Evaporation cover; 46cm	**B1000223**

Thermo Scientific Manual Staining Station

Ideal for unique staining needs, frozen sections or special stains

Uses the same staining troughs and slide baskets as the Varistain Gemini. Best when used for low-volume procedures.

- Sturdy cover closes over troughs to minimise evaporation
- Ingenious lockable baskets secure slides even upside down
- Slide baskets hold 20 standard microscope slides
- Troughs hold up to 320ml of reagent

Physical specifications

Dimensions (D x W x H): 18 x 100 x 12cm

Includes†

Kit includes a steel support rack, a complete set of 320ml staining troughs (14/pk.) and five slide baskets with carriers.

† Contents, packaging and quantities of inclusions are subject to change without prior notice.

Description	Order Number
Manual staining station	**A78500001**

Available accessories	Order Number
320ml staining troughs, 3/pk.	**A78010487**
Reagent trough covers, 6/pk.	**A78010489**

Thermo Scientific ClearVue™ Coverslipper

Finally, a coverslipper intelligent enough to see past workflow obstacles

Simply place a basket of slides onto the load rail and close the door - ClearVue does the rest, delivering speed and accuracy to complete the coverslipping workload for the busiest of laboratories. ClearVue accepts pre-loaded coverslip hoppers to deliver a clean, single coverslip consistently every time.

Compatibility

- Offers compatibility with a variety of stainers to accommodate just about any lab setting
- Accepts slides directly from the Thermo Scientific Shandon Varistain® Gemini™ ES and Varistain® 24-4, Sakura DRS™ 2000 and Leica Auto-Stainer; slide baskets from any of these stainers can be loaded onto the ClearVue in a mix or match fashion without making adjustments to the coverslipper

Specimen Recognition

- Automatically recognises different types of slide preparations; delivers correct amount of mountant for coverslipping each
- Handles both histology and cytology samples simultaneously without user interaction while still delivering the right amount of mountant

Load-on-Demand

- Load-on-demand capabilities can manage up to 11 slide baskets at the same time
- Load baskets one at a time or up to five baskets together

Optical Recognition

- Features unique ability to optically recognise and position slides during the coverslipping process
- Recognises the position of each slide in a basket, removes each slide with a set of slide grippers and returns every slide back while maintaining slide positioning

User Interface

- Intuitive user interface features a touch screen panel
- Software monitors the type of slide preparation, size and number of slips dispensed and the number of baskets waiting to be coverslipped
- Disc drive offers ability to download technical information and perform software updates

Safety Features

- System will not operate when any door is open, protecting the user
- Downdraft ventilation protects the user when loading and unloading slide baskets
- Charcoal filter removes any vapours before they can escape the unit
- Removable debris and purge trays make clean up quick and easy
- Battery backup ensures completion of any basket in process during power cut
- Coverslip hoppers provide additional reliability and greater safety - no need to handle and stack large quantities of coverslip

Physical Specifications

Dimensions: (D x W x H): 57.5 x 64.5 x 50cm

Weight: 50kg

Power Requirements: 100 - 240V; 50/60Hz

Includes

Operator guide (English), operator guide CD (multi-lingual), case of two ClearVue coverslip hoppers; 24 x 50mm, no.1.5 (1000 slips), set of three ClearVue slide baskets (Gemini-compatible) with black sliders, bottle of Thermo Scientific ClearVue Mountant, set of two mountant purge trays, ventilation filter, set of two soft hair brushes, set of three suction cups.

Description	Order Number
ClearVue Coverslipper	**A79200001**

Accessories	Order Number
Shallow tray for loading baskets	**A79230229**
Drying stand for five baskets	**A79230230**
Filter	**9990610**
Extraction kit	**A79210080**
Soft hair brush	**P12257**
Suction cups (3/pk.)	**A79210081**
Charcoal filter (6/pk.)	**7411258**
Mountant purge trays - hopper end-caps (2/pk.)	**A79210079**

see page 70 for coverslips

ClearVue™ Coverslip Hoppers

Description	Qty.	Order Number
0.13 to 0.17mm thick (No. 1)		
24mm x 40mm	2 x 550/pk.	**A79210053**
24mm x 50mm	2 x 550/pk.	**A79210054**
0.16 to 0.19 thick (No. 1.5)		
24mm x 40mm	2 x 500/pk.	**A79210050**
24mm x 50mm	2 x 500/pk.	**A79210051**
24mm x 55mm	2 x 500/pk.	**A79210052**

Recommended mountants

Description	Order Number
ClearVue Mountant, Toluene-based, 2/pk.	**4211**
ClearVue-XYL Mountant, Xylene-based, 2/pk.	**4212**

ClearVue™ Baskets

Baskets and hangers sold in sets of 5.

Description	Order Number
Gemini® compatible baskets (black sliders)	**A79210064**
Gemini® compatible baskets (white sliders)	**A79210065**
Sakura DRS™ 2000 compatible baskets (black sliders)	**A79210066**
Sakura DRS™ 2000 compatible baskets (white sliders)	**A79210067**
Hangers for Sakura DRS™ 2000 compatible ClearVue baskets	**A79210068**
Varistain® 24-4 compatible baskets (black sliders)	**A79210069**
Varistain® 24-4 compatible baskets (white sliders)	**A79210070**
Leica compatible baskets (black sliders)	**A79210072**
Leica compatible baskets (white sliders)	**A79210073**

Thermo Scientific CTM6 Automated Glass Coverslipper

The highest quality coverslipping, the smallest possible footprint

The CTM6 uses glass coverslips of 24 x 40, 50, 55 and 60 mm, No. 1 thickness. The device can be easily re-configured for different slide sizes or mountant formulations. Its small footprint makes it the perfect tool for any lab that wants to overcome manual coverslipping and stay flexible.

- Coverslipping up to 400 slides per hour the CTM6 slide baskets are capable of holding 19 or 30 slides each
- Operator safety – loading and unloading of racks without opening the hood
- Internal vapour extraction system with fan and permanent air-flow avoids any leakage of vapours at openings
- Integrated charcoal filtration
- Bubble-free mountant refill, 100ml reservoir
- Tool-free cleaning and maintenance
- Display options: German, English, French, Spanish
- Easy conversion to other coverslip sizes – all required parts included
- Adapters available for Varistain 24-4, XY, Gemini, Sakura DRS60, 601, 2000, Bavimed Carousel, HMS-MS/DS 50, 100, Leica ST4040, TST5010, Medite TST30-40-50

Physical Specifications

Dimensions (D x W x H): 41 x 27.5 x 35 cm

Weight: 19 kg

Power Requirements: 100 - 240V, 50/60Hz

Coverslip capacity: 400 pcs.

Mountant reservoir, capacity: 100 ml

Racks: 19- or 30-slide racks

Description	Order Number
CTM6 coverslipper	**970010**

Accessories	Order Number
Slide Baskets – 19 Slides	**172540**
Slide Baskets – 30 Slides	**172550**
Charcoal Filter	**184710**
Bavimed Stainer Adapter	**173000**
Combi Tech Stainer Adapter	**172610**
Gemini Stainer Adapter	**171900**
Leica Autostainer XL, 2 x 30 Slides Adapter	**172580**
Leica ST4040 Stainer, 1 x 19 Slides Adapter	**173120**
Leica ST4040 Stainer, 2 x 30, Slides Adapter	**173150**
Manual Staining Adapter, for 19 Slide Baskets	**173070**
Manual Staining Adapter, for 30 Slide Baskets	**172930**
Medite TST 30, 40, 50 Stainer, 1 x 30 Slides Adapter	**172780**
Medite, COT 20 Stainer, 1 x 19 Slides Adapter	**172760**
MS/DS 100 Stainer, 2 x 30 Slides Adapter	**172570**
MS/DS 50 Stainer, 1 x 30 Slides Adapter	**172560**
MS/DS 50 Stainer, 2 x 19 Slides Adapter	**172750**
Sakura® DRS 2000 Stainer, 1 x 19 Slides Adapter	**173140**
Sakura® DRS601 Stainer, 1 x 19 Slides Adapter	**172940**
Varistain® Gemini ES, 1 x 19 Slides Adapter	**171900**
Varistain® 24-4 Stainer, 1 x 30 Slides Adapter	**172590**
Varistain® 24-4 Stainer, 2 x 19 Slides Adapter	**172920**
Varistain® XY/DRS-60 Stainer, 2 x 30 Slides Adapter	**172600**

see 125 for coverslips

Thermo Scientific Metal Block and Slide Storage

Perfectly storing what needs to be stored

The high quality Thermo Scientific steel cabinets are ideal for the safe storage of microscope slides, slide filing wallets, processing cassettes, blocks and transparencies and are available in two sizes to cater for every conceivable requirement.

- The standard size for floor stacking is available in three colours, Blue, Green and two-tone Grey
- The MINI range, which is ideal for bench top use, is half the depth of the standard cabinet and is only available in two-tone Grey
- The Colourstack cabinets on page 74 are ideal for colour-coding your sllides as they are available with ten different colour drawer fronts
- All cabinets are completely sealed top and bottom to ensure dust-free storage and have a lip running the full width of both front and rear to ensure secure location when stacking. Each drawer is fitted with stops to prevent their accidental removal, however the drawers can be removed and relocated

- Base stands (available in black only) and coloured top covers are available for the cabinets. The base stand comes in a standard type and a heavy duty wheeled base type. The standard base stand raises the cabinets off the ground so that the drawers can be easily opened and the wheeled base stand can be used to mobilise a stack of cabinets
- The number of cabinets that can be stacked is totally dependent on the contents/weight of each cabinet as well as the floor capacity

Blockstore Cabinet

The Blockstore cabinet accepts processing cassettes, embedding rings and unmounted blocks up to 12 x 25 x 30mm.

- Eight drawers each divided into seven rows 30mm wide
- Available in three colours, Blue, Green and two-tone Grey
- Available in two sizes, standard and MINI (grey only)

Capacity (Cassettes)	Dimensions	Order Number
3000	48 x 48 x 27.5cm	**E43/22BLUE**
3000	48 x 48 x 27.5cm	**E43/22GREEN**
3000	48 x 48 x 27.5cm	**E43/22GREY**
1400	48 x 24 x 27.5cm	**E43/22MINI**

Slide Wallet Filing Cabinet

This cabinet has three drawers for the storage of Slide Wallets (order number E48/5 - see page 76)

- Available in three colours, Blue, Green and two-tone Grey

Capacity	Dimensions	Order Number
1800 slides	48 x 48 x 14cm	**E43/10BLUE**
1800 slides	48 x 48 x 14cm	**E43/10GREEN**
1800 slides	48 x 48 x 14cm	**E43/10GREY**

14-Drawer Slide Filing Cabinet

The 14-Drawer Cabinet is designed for the storage of 76 x 26mm microscope slides.

- Available in three colours, Blue, Green and two-tone Grey
- Available in two sizes, standard and MINI (grey only)
- Slides that are not dry can also be stored using a spring spacer to separate them (order number E43/16 - see page 75)

Capacity	Dimensions	Order Number
6000 slides	48 x 48 x 14cm	**E43/12BLUE**
6000 slides	48 x 48 x 14cm	**E43/12GREEN**
6000 slides	48 x 48 x 14cm	**E43/12GREY**
3000 slides	48 x 24 x 14cm	**E43/12MINI**

Horizontal Slide Filing Cabinets

The Horizontal Cabinet has drawers with polypropylene dividers which are grooved to hold standard 76 x 26mm slides horizontally.

- Available in three colours, Blue, Green and two-tone Grey
- Available in two sizes, standard and MINI (grey only)

Capacity	Dimensions	Order Number
1230 slides	48 x 48 x 14cm	**E43/33BLUE**
1230 slides	48 x 48 x 14cm	**E43/33GREEN**
1230 slides	48 x 48 x 14cm	**E43/33GREY**
600 slides	48 x 24 x 14cm	**E43/33MINI**

7-Drawer Slide Filing Cabinet

The 7-Drawer Cabinet can be used for the storage of larger microscope slides (up to 51mm wide), SuperMega Cassettes or cardboard boxes containing wax blocks etc. It may also be used for the storage of photographic transparencies and most grid boxes used in electron microscopy.

- Available in three colours, Blue, Green and two-tone Grey
- Available in two sizes, standard and MINI (grey only)
- Drawers can also take 76 x 26mm slides if a divider is used (order number E43/21 - see page 76)

Capacity	Dimensions	Order Number
3000 large slides	48 x 48 x 14cm	**E43/13BLUE**
3000 large slides	48 x 48 x 14cm	**E43/13GREEN**
3000 large slides	48 x 48 x 14cm	**E43/13GREY**
1500 large slides	48 x 24 x 14cm	**E43/13MINI**

Thermo Scientific Colourstack Filing Cabinets

An innovative addition to the Thermo Scientific cabinet range is the Colourstack Cabinets. These cabinets have coloured plastic drawer fronts which make them ideal for the colour-coded storage of slides. They have the same dimensions as the traditional metal cabinets which means that they can be stacked with the other full sized cabinets in this section.

Colourstack Filing Cabinets

Colourstack cabinets have been designed to colour-code the storage of 76 x 26mm slides.

- Available in ten different drawer colours
- Cabinet and drawer bodies are supplied in a cream epoxy coated metal
- Top covers available in cream to match (order number E43/14C - see page 75)
- Fit standard base stands (order number E43/15 and E43/15/HDWB - see page 75)

Colour	Dimensions	Capacity	Order Number
	48 x 48 x 14cm	6000 slides	**E43/12C/AQUA**
	48 x 48 x 14cm	6000 slides	**E43/12C/BLUE**
	48 x 48 x 14cm	6000 slides	**E43/12C/GREEN**
	48 x 48 x 14cm	6000 slides	**E43/12C/GREY**
	48 x 48 x 14cm	6000 slides	**E43/12C/LILAC**
	48 x 48 x 14cm	6000 slides	**E43/12C/ORANGE**
	48 x 48 x 14cm	6000 slides	**E43/12C/PINK**
	48 x 48 x 14cm	6000 slides	**E43/12C/TAN**
	48 x 48 x 14cm	6000 slides	**E43/12C/WHITE**
	48 x 48 x 14cm	6000 slides	**E43/12C/YELLOW**

Colours are a representation only

Replacement Drawers and Archiving System

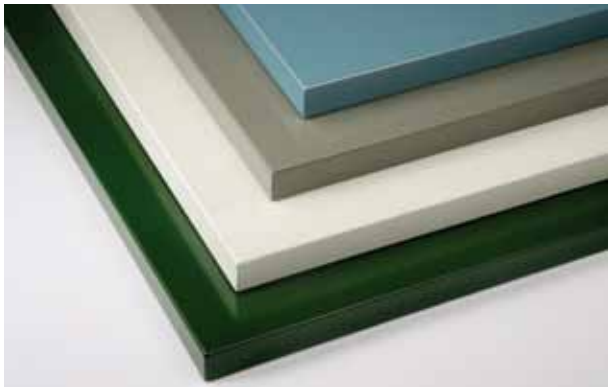
To save time and the need for unnecessary handling of slides, simply replace a full Colourstack drawer with an empty one. The replacement drawers are supplied in sets of 4 in a box designed to be re-used for the long term storage of full drawers.

- Each box contains a set of four replacement colour-coded drawers
- Available in the same ten colours as the Colourstack cabinets

Colour	Order Number
	E43/12CD/AQUA
	E43/12CD/BLUE
	E43/12CD/GREEN
	E43/12CD/GREY
	E43/12CD/LILAC
	E43/12CD/ORANGE
	E43/12CD/PINK
	E43/12CD/TAN
	E43/12CD/WHITE
	E43/12CD/YELLOW

Thermo Scientific Top Covers, Stands and Storage Boxes

Top Covers



Metal top covers for the Thermo Scientific Cabinets.

- Enables the cabinet to be used as a work surface
- Available in four colours, Blue, Green, Grey and Cream
- Available in two sizes, standard and MINI (grey only)

Dimensions	Order Number
48 x 48 x 2.5cm	**E43/14BLUE**
48 x 48 x 2.5cm	**E43/14GREEN**
48 x 48 x 2.5cm	**E43/14GREY**
48 x 48 x 2.5cm	**E43/14C (Cream)**
48 x 24 x 2.5cm	**E43/14MINI**

Standard and Heavy-duty Wheel Base Stand

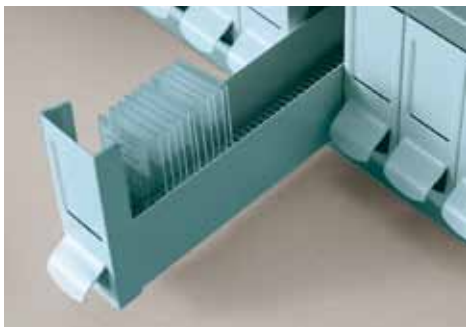
Black base stands for the Thermo Scientific Cabinets.

- Standard base available in standard or MINI size
- Wheeled base stand is reinforced with four heavy-duty swivel castor wheels

Base Stand Type	Cabinet Type	Dimensions	Order Number
Standard	Standard	48 x 48 x 11cm	**E43/15**
MINI	MINI	48 x 24 x 11cm	**E43/15MINI**
Heavy-duty Wheel Base Stand	Standard	48 x 48 x 20cm	**E43/15HDWB**

Accessories for Thermo Scientific Block and Slide Storage Cabinets

Spring Spacers



If slides are stored before they are completely dry, the spring spacer will separate them to stop them sticking.

For Cabinet	Qty.	Order Number
E43/12COLOUR and E43/12C/COLOUR	ea.	**E43/16**
E43/12MINI	ea.	**E43/16MINI**
E43/13COLOUR	ea.	**E43/17**

Slide Filing Location Slips

These colour strips are used to identify the location of a slide that has been removed from a cabinet.

- Available in three colours, White, Pink and Green
- Supplied in books of 100

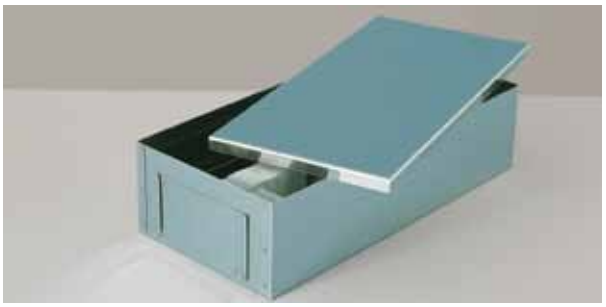
Colours	Qty.	Order Number
White	100/pk.	**E43/25**
Pink	100/pk.	**E43/26**
Green	100/pk.	**E43/27**

Slide Filing Wallets

Cardboard wallets to take 3 standard microscope slides (76 x 26mm) for use with the Slide Wallet Cabinet.

For Cabinets	Qty.	Order Number
E43/10COLOUR	100/pk.	**E48/5**

Steel Slide Box



A stainless steel box for the storage of 76 x 26mm slides.

- Internal dividers for up to 1000 slides
- Drop-on lid and card index holder

Dimensions	Qty.	Order Number
31 x 15 x 8cm	ea.	**E43/11**

Drawer Dividers

This divider can be used in the 7-Drawer Filing Cabinet so that 76 x 26mm slides can be stored as well as larger slides etc.

For Cabinet	Qty.	Order Number
E43/13COLOUR	ea.	**E43/21**

Cassette Storage Box

A stainless steel box for the storage of processing cassettes

- Racks to hold approximately 200 cassettes in four rows
- Drop-on lid

Dimensions	Qty.	Order Number
13 x 16 x 5cm	ea.	**E43/22/B**

Foam Dividers

This divider is used to hold 76 x 26mm slides upright in the slide drawer.

For Cabinets	Qty	Order Number
E43/12COLOUR, E43/12MINI and E43/12C/COLOUR	12/pk.	**B1000152**

Thermo Scientific Slide and Cassette Archiving and Storage

Plastic Slide Boxes

Extremely durable plastic slide boxes to store 76 x 26mm slides.

- Three sizes available - 25, 50 or 100 slide capacity
- Lids separate on the 25 and 50 slide capacity boxes
- 50 capacity slide box has a plastic catch
- 100 capacity slide box has a metal clasp
- Three colours available - White, Blue and Red
- Cork lined with index card in lid

Physical Specifications

- 25 Slide Box: 9.5 x 8.6 x 3.3cm
- 50 Slide Box: 21 x 8.6 x 3.3cm
- 100 Slide Box: 21 x 16 x 3.3cm

Description	Qty.	Order Number
25-Slide Box		
White	ea.	**B1780**
Red	ea.	**B1781**
Blue	ea.	**B1782**
50-Slide Box		
White	ea.	**B1783**
Red	ea.	**B1784**
Blue	ea.	**B1785**
100-Slide Box		
White	ea.	**B1786**
Red	ea.	**B1787**
Blue	ea.	**B1788**

Hinged Plastic Slide Box

A silicone coated, black polystyrene box for the storage of 76 x 26mm slides.

- 100 slide capacity or 200 back-to-back
- Index inside lid
- Plastic hinge and catch

Description	Qty.	Order Number
Hinged plastic slide box	ea.	**E40/5**

Plastic Slide Folders

Plastic slide folders available for the easy colour-coding of 76 x 26mm slides.

- 20 slide capacity
- Available in five colours
- Stackable with transparent cover

Description	Qty.	Order Number
Blue	10/cs.	**B1001200BL**
Green	10/cs.	**B1001200GR**
Grey	10/cs.	**B1001200GY**
White	10/cs.	**B1001200WH**
Yellow	10/cs.	**B1001200YW**

Postal Slide Boxes

A heavy-duty card box with cloth-covered edges to hold 76 x 26mm slides.

- Available in two sizes - 12 and 25
- Drop on lid and wooden rack

Description	Qty.	Order Number
Postal slide box		
12 slides	ea.	**E36**
25 slides	ea.	**E37**

Hinged Slide Box

A leatherette-covered card box to hold 76 x 26mm slides.

- Metal hinges and clasp
- Wooden rack and index in lid
- Capacity 100 slides

Description	Qty.	Order Number
Hinged slide box	ea.	**E32/6**

see page 84 for slides

Slide Tray Box and 9-Slide Tray

A black, cloth-covered cardboard box to accept twelve E49 slide trays.

- Box has a fall-front and drop on lid
- Supplied complete with twelve E49 trays
- Trays hold nine 76 x 26mm slides

Physical specifications

- Dimensions: (D x W x H): Box - 11.2 x 26.5 x 6.8cm; Tray - 23.5 x 7.8cm

Description	Qty.	Order Number
Slide tray box	ea.	**E32**
9-Slide Tray	ea.	**E49**

Plastic Slide Boxes

Moulded, high-impact polystyrene boxes to hold 76 x 26mm slides.

- Available in two sizes, 25 and 100
- Push-on lid with card index

Description	Qty.	Order Number
25 slides	ea.	**E38**
100 slides	ea.	**E39**

Slide Mailers

Plastic and cardboard mailers for 76 x 26mm slides.

- Plastic mailer with snap-top lid and grooves to hold five slides
- Cardboard mailer to hold two slides

Description	Qty.	Order Number
Plastic Slide Mailer (5 slides)	ea.	**E6/3**
Cardboard mailer (2 slides)	12/pk.	**3787**

Cardboard Slide Folders

Heavy-duty cardboard folders to hold 76 x 26mm slides.

- Available in three sizes - 20, 24 and 30

Description	Qty.	Order Number
20-slide folder	ea.	**E44**
24-slide folder	ea.	**E45**
30-slide folder	ea.	**1606**

Slide Tray Racks and Aluminium Slide Trays

Stainless steel slide tray racks to accept aluminium slide trays to hold 76 x 26mm slides.

- Racks allow the air to circulate over the slides
- Trays have raised ridges to separate the slides
- Two sizes available
- Both rack sizes hold up to 100 slides

Description	Capacity	Order Number
Slide tray rack	10 x E45/10	**E45/SR10**
Slide tray rack	5 x E45/10	**E45/SR5**
Slide tray (fits E45/SR10)	10 slides	**E45/10**
Slide tray (fits E45/SR5)	20 slides	**E45/20**

Thermo Scientific Cassettes

A range of high-quality cassettes available loose or in tubes

Embedding Cassettes

- Pore style - round holes
- Used for routine specimens
- Supplied with or without white lids (not fitted)

Order Number Cassettes only Qty. 1000	Colour	Order Number Cassettes only Qty. 1500 (20 tubes x 75)	Order Number Cassettes & Lids Qty. 1000	Order Number Cassettes & Lids Qty. 3000 (40 tubes x 75)
E10/AQUA		E10/MW/AQUA	A82610060	A82610090
E10/BLUE		E10/MW/BLUE	A82610061	A82610091
E10/GREEN		E10/MW/GREEN	A82610062	A82610092
E10/GREY		E10/MW/GREY	A82610063	A82610093
E10/LILAC		E10/MW/LILAC	A82610064	A82610094
E10/ORANGE		E10/MW/ORANGE	A82610065	A82610095
E10/PINK		E10/MW/PINK	A82610066	A82610096
E10/TAN		E10/MW/TAN	A82610067	A82610097
E10/WHITE		E10/MW/WHITE	A82610068	A82610098
E10/YELLOW		E10/MW/YELLOW	A82610069	A82610099

Lid Type	Qty.	Order Number
Stainless Steel	25/pk.	1001003
White Plastic Disposable	1000/pk.	E10/LID

Biopsy Cassettes

- Pore style - small squares
- Used for biopsy specimens
- Supplied with or without white lids (not fitted)

Order Number Cassettes only Qty. 1000	Colour	Order Number Cassettes only Qty. 1500 (20 tubes x 75)	Order Number Cassettes & Lids Qty. 1000	Order Number Cassettes & Lids Qty. 3000 (40 tubes x 75)
E10/B/AQUA		E10/BMW/AQUA	A82610070	A82610100
E10/B/BLUE		E10/BMW/BLUE	A82610071	A82610101
E10/B/GREEN		E10/BMW/GREEN	A82610072	A82610102
E10/B/GREY		E10/BMW/GREY	A82610073	A82610103
E10/B/LILAC		E10/BMW/LILAC	A82610074	A82610104
E10/B/ORANGE		E10/BMW/ORANGE	A82610075	A82610105
E10/B/PINK		E10/BMW/PINK	A82610076	A82610106
E10/B/TAN		E10/BMW/TAN	A82610077	A82610107
E10/B/WHITE		E10/BMW/WHITE	A82610078	A82610108
E10/B/YELLOW		E10/BMW/YELLOW	A82610079	A82610109

Lid Type	Qty.	Order Number
Stainless Steel	25/pk.	1001003
White Plastic Disposable - Biopsy	1000/pk.	E10/B/LID

Slotted Cassettes

- Pore style - small slots
- Used for routine specimens
- Supplied with or without white lids (not fitted)

Order Number Cassettes only Qty. 1000	Colour	Order Number Cassettes only Qty. 1500 (20 tubes x 75)	Order Number Cassettes & Lids Qty. 1000	Order Number Cassettes & Lids Qty. 3000 (40 tubes x 75)
E10/S/AQUA		E10/SMW/AQUA	A82610080	A82610110
E10/S/BLUE		E10/SMW/BLUE	A82610081	A82610111
E10/S/GREEN		E10/SMW/GREEN	A82610082	A82610112
E10/S/GREY		E10/SMW/GREY	A82610083	A82610113
E10/S/LILAC		E10/SMW/LILAC	A82610084	A82610114
E10/S/ORANGE		E10/SMW/ORANGE	A82610085	A82610115
E10/S/PINK		E10/SMW/PINK	A82610086	A82610116
E10/S/TAN		E10/SMW/TAN	A82610087	A82610117
E10/S/WHITE		E10/SMW/WHITE	A82610088	A82610118
E10/S/YELLOW		E10/SMW/YELLOW	A82610089	A82610119

Lid Type	Qty.	Order Number
Stainless Steel	25/pk.	1001003
White Plastic Slotted Disposable	1000/pk.	E10/S/LID

TissueLoc® Biopsy Cassette (Cassette IV)

- Pore style - small squares
- Used for biopsy specimens
- Cassette supplied with separate same colour lid, with large tab for easy opening

Order Number (500 Cassettes)	Colour	Order Number (10 tubes x 75)
58925		41760-T
58931		41751-T
58932		41753-T
58935		41757-T
58926		41758-T
58934		41759-T
58928		41754-T
58929		41755-T
58930		41750-T
58933		41752-T

TissueLoc® Tissue Cassette (Cassette IV)

- Pore style - small slots
- Used for routine specimens
- Cassette supplied with separate same colour lid, with large tab for easy opening

Order Number (500 Cassettes)	Colour	Order Number (10 tubes x 75)
58962		41730-T
58955		41721-T
58957		41723-T
58961		41727-T
58964		41728-T
58960		41729-T
58958		41724-T
58959		41725-T
58954		41720-T
58956		41722-T

HistoScreen® Cassette

- Pore style - mesh
- Used for very small biopsy specimens
- Cassette supplied with separate same colour lid with large tab for easy opening

Order Number (500 Cassettes)	Colour	Order Number (10 tubes x 75)
C-1000-AQ		C-750-AQ
C-1000-BL		C-750-BL
C-1000-GR		C-750-GR
C-1000-GY		C-750-GY
C-1000-LI		C-750-LI
C-1000-OR		C-750-OR
C-1000-PK		C-750-PK
C-1000-TN		C-750-TN
C-1000-WH		C-750-WH
C-1000-YW		C-750-YW

Slimsette™ Biopsy Cassette

- Pore style - small squares
- Used for biopsy specimens
- Cassette supplied with same colour lid (attached)

Colour	Order Number (10 tubes x 75)
	B1000737AQ
	B1000737BL
	B1000737GR
	B1000737GY
	B1000737LI
	B1000737OR
	B1000737PE
	B1000737PK
	B1000737TN
	B1000737WH
	B1000737YW

Slimsette™ Tissue Cassette

- Pore style - slots
- Used for biopsy specimens
- Cassette supplied with same colour lid (attached)

Colour	Order Number (10 tubes x 75)
	B1000736AQ
	B1000736BL
	B1000736GR
	B1000736GY
	B1000736LI
	B1000736OR
	B1000736PE
	B1000736PK
	B1000736TN
	B1000736WH
	B1000736YW

Slimsette™ "Micromesh" Cassette

- Pore style - small holes (0.36mm square)
- Used for biopsy specimens
- Cassette supplied with same colour lid (attached)

Order Number (500 Cassettes)	Colour	Order Number (10 tubes x 75)
B1000735AQ		B1000734AQ
B1000735BL		B1000734BL
B1000735GR		B1000734GR
B1000735GY		B1000734GY
B1000735LI		B1000734LI
B1000735OR		B1000734OR
B1000735PE		B1000734PE
B1000735PK		B1000734PK
B1000735TN		B1000734TN
B1000735WH		B1000734WH
B1000735YW		B1000734YW

SuperMega Cassettes

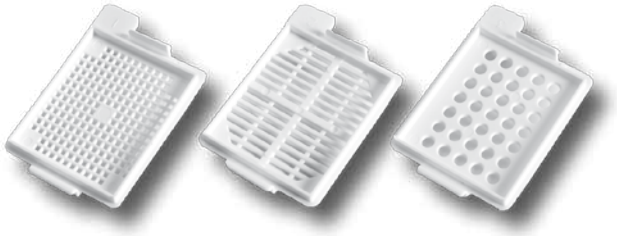
- Ideal for embedding and processing large tissue samples
- Particularly useful for prostate, brain, breast tissue and eyes
- Widely used in research and toxicology laboratories
- Available in several colours
- Supplied in packs of 100

Colour	Order Number
	E10SM/BLUE
	E10SM/GREEN
	E10SM/PINK
	E10SM/WHITE
	E10SM/YELLOW

Stainless Steel Disposable Cassette Lids

Lid Type	Qty.	Order Number
Stainless Steel Cassette Lid	25/pk.	**1001003**

Plastic Disposable Cassette Lids



Lid Type	Qty.	Order Number
White Plastic Disposable Lid - Embedding	1000/pk.	**E10/LID**
White Plastic Disposable Lid - Biopsy	1000/pk.	**E10/B/LID**
White Plastic Disposable Lid - Slotted	1000/pk.	**E10/S/LID**

Thermo Scientific Microscope Slides

Colorfrost® Slides*

- Available in a wide variety of colours to ease identification
- Resistant to commonly used laboratory solvents
- 76 x 26mm, 1.0 to 1.2mm thick; ground edges

Description	Qty.	Order Number
White	1000/cs.	**6776206**
Blue	1000/cs.	**6776207**
Green	1000/cs.	**6776210**
Pink	1000/cs.	**6776213**
Yellow	1000/cs.	**6776208**
Burnt orange	1000/cs.	**6776209**
Lavender	1000/cs.	**6776205**
Tan	1000/cs.	**6776201**
Aqua	1000/cs.	**6776202**
Gold	1000/cs.	**6776203**
Strawberry red	1000/cs.	**6776204**

Colorfrost® Plus Slides*

- Positively charged microscope slides improve cellular adhesion
- Electrostatically attract tissue sections and cytology preparations, binding them to the slide
- Eliminate the need for special adhesives or protein coatings

Description	Qty.	Order Number
White	144/pk.	**6776214**
White	1440/cs.	**6776214CS**
Blue	100/box	**9991001**
Yellow	100/box	**9991002**
Green	100/box	**9991003**
Pink	100/box	**9991004**
Lavender	100/box	**9991009**
Burnt orange	100/box	**9991011**
Tan	100/box	**9991012**
Aqua	100/box	**9991013**
Gold	100/box	**9991014**

Polysine Slides*

- Provide superior cell and tissue adhesion
- Polysine places an advanced permanent adhesive on the microscope slide
- Built-in chemicals electro-statically and chemically attract

Description	Qty.	Order Number
White	144/pk.	**6776215**
Blue	144/pk.	**6776216**

Frosted Slides

- Made from the finest sheet glass
- Individually selected for uniform quality and tested for cleanliness
- Annealed to minimise breakage
- Standard slide measures 76 x 26mm
- Available with either single or double frosted ends

Edge	Thickness	Qty.	Order Number
Double frost			
Cut edge	1.0 - 1.2mm	1000/cs.	**6776112**
*Ground edge, 45°	0.8 - 1.0mm	1000/cs.	**6776104**
Ground edge, 90°	0.8 - 1.0mm	1000/cs.	**6776108**
Ground edge, 90°	1.0 - 1.2mm	1000/cs.	**6776109**
Single frost			
Ground edge, 90°	1.0 - 1.2mm	1000/cs.	**6776107**

** Indicates that slides are compatible with SlideMate*

Plain Slides

- Made from the finest sheet glass
- Individually selected for uniform quality and tested for cleanliness
- Annealed to minimise breakage
- Standard slide measures 76 x 26mm

Edge	Thickness	Qty.	Order Number
Cut edge	0.8-1.0mm	1000/cs.	**6776106**
Ground edge, 90°	0.8-1.0mm	1000/cs.	**6776110**
Ground edge, 90°	1.0-1.2mm	1000/cs.	**6776111**

Multi-Spot Slides

- Wells are surrounded by a chemical and water-resistant PTFE coating
- Coating enables the slides to be washed several times for re-use

Description	Qty.	Order Number
6mm wells	100/box	**9991090**
9mm wells	100/box	**9991095**

Slide Preparation Excell Microscope Adhesion Slides

Excell slides have a hydrophilic surface for superior wettability.

- Recommended tor automated staining procedures that require high pH antigen retrieval solutions
- 5 colours for easy identification
- Eliminate sticking and reduce waste

Description	Qty.	Case Size	Order Number
White	144/pk.	10 pks/cs	**4941**
Blue	144/pk.	10 pks/cs	**5941**
Green	144/pk.	10 pks/cs	**6941**
Pink	144/pk.	10 pks/cs	**7941**
Yellow	144/pk.	10 pks/cs	**8941**

Non-Standard Slides

Description	Qty	Order Number
Double frosted ends; 20mm		
Ground edge 90°, 39 x 76 x 1.0mm	100/pk.	**A67761142**
Ground edge 90°, 51 x 76 x 1.0mm	100/pk.	**A67761143**
Plain		
Ground edge 90°, 39 x 76 x 1.0mm	100/pk.	**A67761144**
Ground edge 90°, 51 x 76 x 1.0mm	100/pk.	**A67761145**
Double frosted ends; 5mm		
Ground edge 90°, 39 x 76 x 1.0mm	100/pk.	**A67761146**
Ground edge 90°, 51 x 76 x 1.0mm	100/pk.	**A67761147**
Superfrost Plus Adhesion, white frosted ends		
Ground edge 90°, 38 x 75 x 1.0mm	72/pk.	**A67761223**
Ground edge 90°, 51 x 75 x 1.0mm	72/pk.	**A67761224**
Superfrost, white		
Ground edge 45°, 26 x 76mm		**A67761225**
Slide Superfrost White K 1000		
Ground edge 90°	1000/pk.	**A67761226**
Superfrost Ultra Plus		
Ground edge 90 degree, 25 x 75 x 1.0 mm	72/pk.	**A6776220**

Thermo Scientific Fixation Products

Neutral Buffered Formalin (10%)

NBF is a fixative that reduces exposure to toxic fumes. It is available premixed or as a concentrate which reduces storage space and contact with formaldehyde.

One part of concentrate to four parts of distilled or deionized water ensures results consistent with those of the premixed 10% NBF.

- Phosphate buffers are used to stabilize the pH between 6.8 and 7.2
- Stringent quality control ensures a formalin concentration of 10%
- Stable to freezing temperatures

Description	Size	Qty.	Order Number
Concentrated			
Bottle	3.8L	4/cs.	**5700**
Premixed			
Bottle	3.8L	4/cs.	**5701**
Cubitainer	18.9L	ea.	**5705**
Cubitainer	9.5L	ea.	**5725**

Zinc Formalin, Buffered

For use in immunohistochemistry techniques to enhance nuclear detail.

- Easy-to-pour bottle helps reduce spills

Description	Size	Qty.	Order Number
Bottle	3.8L	4/cs.	**5701ZF**
Cubitainer	18.9L	ea.	**5705ZF**

Cal-Rite

A mixture of formic acid and formaldehyde allows simultaneous decalcification and fixation.

- Eliminates poor Haematoxylin and eosin staining caused by over-decalcification and/or exposure to harsh mineral acids
- Conventional iron staining also benefits from the properties of this product
- Even after prolonged exposure of specimens in Cal-Rite, nuclear chromatin staining is well preserved and not distorted

Description	Size	Qty.	Order Number
Bottle	3.8L	ea.	**5501**

Signature Series Pen-Fix™

A uniquely buffered alcoholic formalin fixative.

- Excellent frozen section fixative
- Performs well with fatty or thick tissue sections
- Fixation and dehydration occur simultaneously and the penetration rate is three times faster than that of 10% Neutral Buffered Formalin
- Can be used in all open or enclosed tissue processors and in the grossing room
- Recommended for use in the second and/or third stations of the processor as a secondary fixative

Description	Size	Qty.	Order Number
Bottle	3.8L	4/cs.	**6101**

Bouin's Fluid

A saturated, aqueous picric acid solution.

- Excellent for use in Trichrome staining procedures
- Use to preserve structures with soft and delicate textures and for gastrointestinal tract specimens

Description	Size	Qty.	Order Number
Bottle	3.8L	ea.	**57211**

Vytac™

Simple, safe and economical disposal system for 10% buffered or unbuffered formalin, including zinc formalin.

- Eliminates the need for expensive waste hauling and onsite permits
- Solution breaks down formalin into inert components and, when used as directed, neutralizes more than 99% of the waste formalin collected
- One part Vytac solution neutralise four parts formalin waste

Starter Kit includes:

Vytac (3.8L), reservoir with lid, measuring cup, and plastic stir rod

Description	Size	Qty.	Order Number
Vytac Starter Kit	----	ea.	**5402**
Vytac	3.8L	4/cs.	**5401**
Vytac	18.9L	ea.	**5405**

HistoGel™ Specimen Processing Gel

Encapsulates and retains the entire specimen during histological processing regardless of a specimen's small, friable, or viscous nature.

- Chemical reagents penetrate specimen without allowing specimen to escape from gel
- Patented formulation outperforms other agarose gel mixtures or thromboplastin at a fraction of the cost
- Does not retain histological stains
- Eliminates unwanted discolouration around specimens on slides
- Virtually unnoticeable during sectioning
- Will not "pop out" of the paraffin block during cutting

Starter Kit includes:

Twelve 10ml HistoGel vials, two Thermo Scientific WonderBlock cooling blocks, dry bath incubator (240V), and disposable pipettes (500)

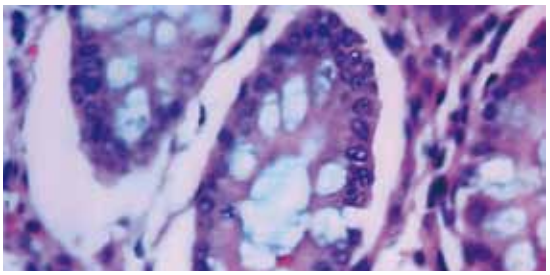
Description	Size	Qty.	Order Number
HistoGel Starter Kit	----	ea.	**HG-2050-2**
HistoGel vial	10ml	12/cs.	**HG-4000-012**
HistoGel vial	10ml	144/cs.	**HG-4000-144**

Rapid-Fixx™ Formalin

Excellent for antigenic preservation, Rapid-Fixx avoids the need for enzyme digestion and rapidly penetrates into tissue. Used in Thermo Scientific Rapid-Chrome Frozen Section Stain Kit (9990001) for fixing slides from frozen sections.

Description	Qty.	Order Number
1L	2/cs.	**6764212**

Formal-Fixx™



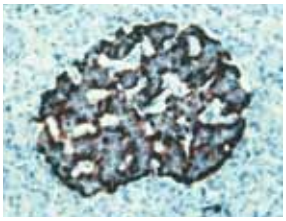
Produces consistent results and extends the life of the rotary valve in tissue processors.

- Phosphate-free, 10% neutral buffered formalin
- Stores all specimens without excessive shrinking or hardening
- Use for storage of all tissue - eliminates presorting of EM specimens
- Available premixed, ready-to-use or in economical concentrate - just add water or alcohol
- Concentrate is not affected by freezing, reduces shelf space and is less expensive to ship
- Pre-filled, leak-resistant containers are packed in sturdy trays for courier transport.

Size	Qty.	Order Number
Ready-to-use		
3.8L	ea.	**6764240**
10L	2/cs.	**9990234**
Pre-filled Containers		
20ml containers, filled to 10ml	180/cs.	**9990910**
60ml containers, filled to 30ml	125/cs.	**9990914**
90ml containers, filled to 45ml	125/cs.	**9990916**
120ml containers, filled to 60ml	125/cs.	**9990918**
Concentrate		
3.8L (makes 19L)	ea.	**6764254**
1L (makes 5L)†	2/cs.	**9990244**

†Ready-to-use, colour-coded Excelsior™ ES packaging

Glyo-Fixx™



A non-carcinogenic, non-sensitising and environmentally friendly substitute for formalin. The active ingredient, glyoxal, is a di-aldehyde, which has almost no vapour and is used with the same protocols as formalin. Glyo-Fixx allows higher antibody dilutions and works well with conventional special stains including silver procedures, Schmorl's for reducing substances, PAS, Alcian blue, Mucicarmine, Verheoff-Van Gieson for elastin and Trichrome.

- Offers results superior to neutral buffered formalin - produces distinct, crisp cellular morphology
- No unpleasant smell or cross-linking as with formaldehyde - fixes most antigens without impairing immuno-reactivity
- Allows special stain dyes to be sharp without background staining
- Presents fine detail in specimen structure

Description	Qty.	Order Number
Ready-to-use		
3.8L	ea.	**6764262**
19L	ea.	**6764260**
Pre-filled Containers		
20ml containers, filled to 10ml	180/cs.	**9990920**
60ml containers, filled to 30ml	125/cs.	**9990924**
120ml containers, filled to 60ml	125/cs.	**9990928**
Concentrate (5x), 3.8L (makes 19L)	ea.	**6764265**

Zinc Formal-Fixx™

This is a fixative of choice to enhance H&E's and special stains.

- Excellent for immunochemistry
- Minimises the need for enzyme digestion
- Reduces protein cross-linking, producing well-defined nuclear detail

Description	Qty.	Order Number
Ready-to-use		
19L	ea.	**6764250**
Concentrate (5x)		
1L (makes 5L)	2/cs.	**9990245**
3.8L (makes 19L)	ea.	**6764255**

Thermo Scientific Dehydrants

Signature Series Flex™ 100, 95, 80

This range provides complete dehydration and brilliant cytoplasmic staining.

- Patented formulation of methyl and isopropyl alcohol
- Minimises over-dehydration in smaller biopsies
- Excellent for lipid extraction, allowing for increased paraffin infiltration
- May be used as a solvent for special stains

Description	Size	Qty.	Order Number
Flex 100	3.8L	4/cs.	**8101**
Flex 95	3.8L	4/cs.	**8201**
Flex 80	3.8L	4/cs.	**8301R**

Dehydrant 100, 95, 80, 70

Denatured ethyl alcohol reagents specifically designed for processing and staining of histological and cytological specimens.

- Blend of ethyl, methyl and isopropyl alcohols
- Can be used as a dye or stain solvent
- Miscible with all clearing agents

Description	Size	Qty.	Order Number
100%	3.8L	4/cs.	**6201**
95%	3.8L	4/cs.	**6301**
80%	3.8L	4/cs.	**6401**
70%	3.8L	4/cs.	**6501**

Thermo Scientific Clearing Agents

Signature Series Clear-Rite 3

A unique blend of isoparaffinic aliphatic hydrocarbons for tissue processing and staining.

- Excellent lipid extraction during tissue processing
- Renders complete deparaffinisation and clearing during the staining process
- Does not produce hard or brittle specimens, even after prolonged exposure
- Use in all tissue processors and automatic stainers
- Benzene-free
- Very low odour

Description	Size	Qty.	Order Number
Bottle	3.8L	4/cs.	**6901**

Citrus Clearing Solvent

A clearing solvent that is a highly effective xylene substitute.

- Use as a direct replacement for xylene in both manual or automated system applications
- D-limonene-based solvent has a slight citrus scent
- Higher flash point eliminates the need for storage in a flammable safety cabinet

Description	Size	Qty.	Order Number
Bottle	3.8L	4/cs.	**8301**

Histoclear and Histoclear II

Superior non-toxic clearing agents which lead to the production of high quality tissue slides.

- Biodegradable

Description	Size	Qty.	Order Number
Histoclear	3.8L	ea.	**C78-G**
Histoclear II (reduced citrus odour)	3.8L	ea.	**C78/2-G**

Thermo Scientific Processing Reagents

Made to bring out the best in your Thermo Scientific equipment

Xylene

A clearing agent for processing, staining, and coverslipping.

Description	Qty.	Order Number
3.8L†	ea.	**9990501**

†Ready-to-use, colour-coded Excelsior™ ES packaging

Xylene Substitute

A safer, more convenient alternative to xylene for processing, staining and coverslipping.

- Airborne exposure limit three times safer than xylene (TLV 300ppm)
- Virtually odourless aliphatic hydrocarbon - no citrus aroma
- Not sensitising to normal skin
- Evaporation rate similar to xylene - slides dry quickly
- Greaseless
- Can be recycled with solvent recyclers

Description	Qty.	Order Number
3.8L†	ea.	**9990505**
3.8L	4/cs.	**6764506**

†Ready-to-use, colour-coded Excelsior™ ES packaging

Reagent Alcohol

Use in place of absolute (100%) ethanol for most pathology procedures, including staining sequences.

- Filtered quality reagent consists of 90% absolute ethanol, 5% methanol, 5% isopropanol

Description	Qty.	Order Number
3.8L†	ea.	**9990520**

†Ready-to-use, colour-coded Excelsior™ ES packaging

Decalcifying Solution

Formulated to remove calcium from histological specimens.

- EDTA and dilute hydrochloric acid in this solution require no heat, electricity, or other aids to decalcify bone tissue
- Offers rapid decalcification without destroying nuclear properties of the tissue

Description	Size	Qty.	Order Number
Bottle	0.94L	6/cs.	**8340**
Cube	3.8L	4/cs.	**8340-1**

TBD-1™ Decalcifier

A rapid hydrochloric decalcifier for processing bone marrow biopsies in as little as 15 to 30 minutes.

- Thin pieces of bone process in 3 to 12 hours
- Permits use of routine end point tests, such as calcium oxalate
- Added ingredients protect cells from actions of acids

Size	Qty.	Order Number
1L	2/cs.	**6764001**
1L	4/cs.	**6764002**

TBD-2™ Decalcifier

A formic acid decalcifier for gentler, longer-term processing.

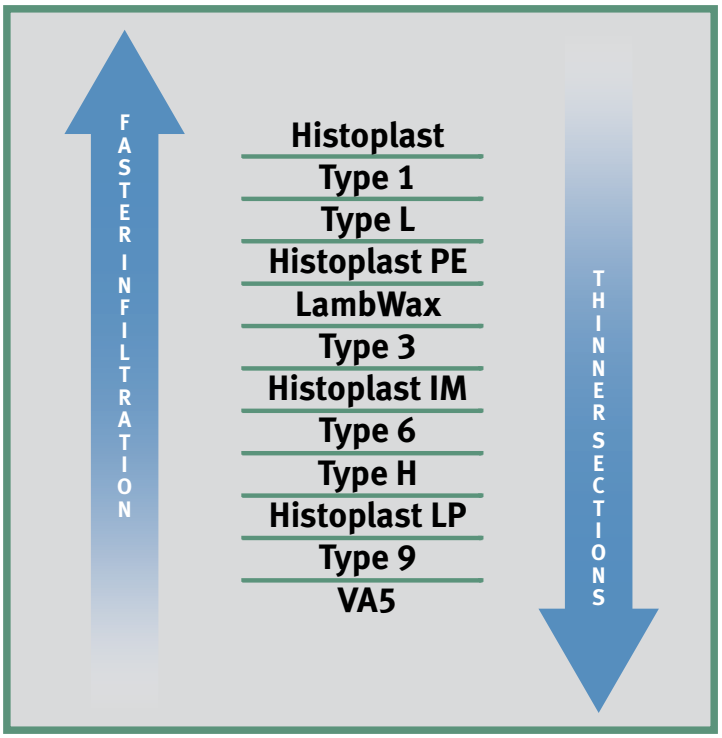
- Go up to 48 hours past end point without damaging specimens
- Permits use of routine end point tests, such as calcium oxalate
- Added ingredients protect cells from actions of acids

Size	Qty	Order Number
1L	2/cs.	**6764003**
1L	4/cs.	**6764004**

Thermo Scientific Paraffin

Paraffin Selection Matrix

Description	Additives	Melting Point	Type	Use
Paraffin Type 9	Plastic Polymers	55 - 57°C	Flake	Infiltration/Embedding
Signature Series Type H	Plastic Polymers	55 - 57°C	Flake	Infiltration/Embedding
VA5	Plastic Polymers	58 - 60°C	Pellet	Embedding only
Histoplast LP	Microcrystalline Wax & Plastic Polymers	50 - 54°C	Pellet	Infiltration/Embedding
Histoplast IM	Plastic Polymers & DMSO	56 - 57°C	Pellet	Infiltration/Embedding
Histoplast PE	Plastic Polymers	56 - 57°C	Pellet	Infiltration/Embedding
Paraffin Type 6	Microcrystalline Wax	55 - 57°C	Flake	Infiltration/Embedding
Paraffin Type 3	Plastic Polymers	55 - 57°C	Flake	Infiltration/Embedding
Signature Series Type L	Plastic Polymers	55 - 57°C	Flake	Infiltration/Embedding
LambWax	Plastic Polymers	57 - 58°C	Pellet	Infiltration/Embedding
Histoplast	None	56 - 57°C	Pellet	Infiltration/Embedding
Paraffin Type 1	None	55 - 57°C	Flake	Infiltration only



Histoplast

High quality paraffin without polymers, for embedding and general laboratory use.

Description	Size	Qty.	Order Number
Histoplast	2.5kg	ea.	**6774006**
Histoplast	10kg	ea.	**6774060**

Signature Series™ Paraffin

Unique blend of polymers and highly refined paraffin with narrow carbon chain distribution that minimises compression and offers rapid infiltration.

- Type H allows for extremely thin sections, while Type L may reduce infiltration times during processing
- Packaged in easy-to-open, resealable bags

Description	Size	Qty.	Order Number
Type H, high polymer	0.9kg	10/cs.	**8338**
Type L, low polymer	0.9kg	10/cs.	**8339**

Histoplast Paraffin PE, IM, LP

Developed to meet the demanding and versatile needs of the laboratory.

- Delivers excellent processing and yields thin, flat, wrinkle-free sections
- Packaged in easy-to-open, resealable bags

Description	Size	Qty.	Order Number
Histoplast PE	1kg	8/cs.	**8330**
Histoplast IM	1kg	8/cs.	**8331**
Histoplast LP	1kg	8/cs.	**8332**

LambWax

The Raymond A Lamb formulation LambWax is a high quality paraffin wax with added polymers.

Description	Size	Qty.	Order Number
LambWax	10kg	ea.	**W1**

Paraffin Type 1, 3, 6, 9

Four different blends of highly refined paraffin and polymers offer a choice of infiltration times and cutting characteristics to meet various needs.

- All paraffins are triple filtered to 0.5µm
- Flake form has a greater surface-to-weight ratio than pellets, resulting in a faster melting time
- Type 1 contains no polymer and offers rapid infiltration
- Type 3 contains minimal polymer and offers fast infiltration
- Type 6 has a higher polymer content than Type 3 and allows thinner sections
- Type 9 has the highest polymer content available and yields extremely thin sections
- Packaged in convenient, easy-to-open, resealable bags

Description	Size	Qty.	Order Number
Type 1	0.9kg	10/cs.	**8334**
Type 3	0.9kg	10/cs.	**8335**
Type 6	0.9kg	10/cs.	**8336**
Type 9	0.9kg	10/cs.	**8337**

VA5

The Raymond A Lamb formulation VA5 provides a hard white wax of amorphous plastic structure.

Applications

- Particularly hard or fibrous routine tissue may be cut more easily if, after processing in LambWax in the usual manner, the tissue is then vacuum embedded and blocked out in VA5
- Freeze-dried tissues (where enzyme histochemistry is not required) and particularly tissues that have been vapour fixed after freeze-drying
- Bone sectioning either undecalcified (Sellotape or Tripp and Mackay techniques) or decalcified (e.g. trephine biopsies)

Description	Size	Qty.	Order Number
VA5	10kg	ea.	**W11/4**

Thermo Scientific Moulds and Sprays

Disposable Base Moulds

Made of rigid, transparent plastic, these moulds promote rapid paraffin hardening.

Description	Size	Qty.	Order Number
7 x 7mm moulds	125/box	4/cs.	**41740**
15 x 15mm moulds	125/box	4/cs.	**41741**
24 x 24mm moulds	125/box	4/cs.	**41742**
30 x 24mm moulds	125/box	4/cs.	**41743**
37 x 24mm moulds	125/box	4/cs.	**41744**

Stainless Steel Base Moulds

- High-quality, durable moulds
- Sizes fit most cassettes
- Superior thermal exchange
- Rounded corners

Description	Qty.	Order Number
10 x 10 x 5mm	10/pk.	**6401015**
24 x 24 x 5mm	10/pk.	**6401016**
30 x 24 x 9mm	10/pk.	**6401017**
37 x 24 x 9mm	10/pk.	**6401018**

Super Mega Stainless Steel Base Moulds

Description	Qty.	Order number
36 x 36 x 10mm	5/pk.	**E10/M7**
60 x 45 x 15mm	5/pk.	**E10/M8**

Para-Release™ Spray

Apply this spray releasing agent to moulds before adding paraffin for clean release of block.

Description	Qty.	Order Number
50ml	6/cs.	**9990420**

ParaPel™

ParaPel protects against excess build-up of wax on countertops and instrumentation.

- Reduces daily cleaning times
- Low odour
- Will not remove finishes from surfaces or leave behind oily residue

Description	Qty.	Order Number
118ml	6/cs.	**2300**

Peel-A-Way® Disposable Embedding Moulds

Made of rigid, transparent plastic, these moulds promote rapid paraffin hardening.

Description	Qty.	Order Number
12 x 12 x 20mm	288/cs.	**1220**
22 x 22 x 20mm	288/cs.	**2219**
30 x 22 x 20mm	288/cs.	**1830**
40 x 22 x 20mm	264/cs.	**1841**

Thermo Scientific Biopsy Bags

These high quality biopsy bags allow unrestricted fluid movement around tissue.

- Three types of biopsy bag available - original white nylon, white acid resistant and blue nylon bag
- The blue bag offers improved visibility of specimens
- Reduce risk of small specimen loss
- Reduce reagent carry-over and pressure artefact often found with sponges
- Peel-open bag conveniently exposes specimen for rapid removal
- Acid resistant biopsy bags feature all the benefits of nylon biopsy bags, plus offer acid-resistance for decalcification

Physical Specifications

Small: 31 x 43mm

Medium: 45 x 65mm

Large: 75 x 85mm

Description	Qty.	Order Number
Blue nylon biopsy bag, monofilament, hydrophillic coated		
Medium	1000/cs.	**6774009**
Small	1000/cs.	**6774010**
Large	500/cs.	**6774011**
Medium	200/cs.	**6774012**
Medium	500/cs.	**6774013**
Small	200/cs.	**6774014**
Small	500/cs.	**6774015**
White nylon biopsy bag, woven		
Medium	1000/cs.	**6774009W**
Small	1000/cs.	**6774010W**
Large	500/cs.	**6774011W**
Medium	200/cs.	**6774012W**
Medium	500/cs.	**6774013W**
Small	200/cs.	**6774014W**
Small	500/cs.	**6774015W**
White acid resistant bag, woven		
Medium	250/cs.	**6774050**
Small	250/cs.	**6774051**
Large	250/cs.	**6774052**
Medium	1000/cs.	**6774053**
Small	1000/cs.	**6774054**

Cellsafe+

Cellsafe+ offers a high security easy-to-use alternative to traditional, more time consuming handling techniques such as wrapping tissue in paper. It consists of two hinged interlocking frames with an extra fine 200µm mesh.

- Fits in any standard processing cassette for processing in the normal way
- Tissue can be removed with greater ease
- Hinge can be closed in either direction to encapsulate the tissue
- Available in white and blue - blue can offer better contrast

Description	Qty.	Order Number
White	100/pk.	**E10/87**
Blue	100/pk.	**E10/87/B**

Cellsafe+ is a registered trademark of Cellpath Plc.

Cassette Insert Paper

This high quality Whatman cellulose paper is supplied cut to the size of a standard processing cassette chamber.

- Biopsy material is placed between two sheets in the cassette and can be processed in the normal way

Size	Qty.	Order Number
26 x 31mm	1000/pk.	**E10/7**

Sponges

These foam sponges help to protect small biopsies from overprocessing.

- Blue sponges available as rectangles or circles

Description	Qty.	Order Number
Rectangular; 25 x 31mm	1000/pk.	**E10/75/BLUE**
Circular; 31mm dia.	100/pk.	**8452**

Thermo Scientific Disposable Blades

High and low profile configurations for virtually any application

Blade Type	Low Profile Blades					High Profile Blades	
Description	**MX35 Ultra**	**MX35 Premier +**	**MX35 Premier**	**MB Dynasharp**	**MB22 Premier**	**HP35 Ultra**	**HP35**
Order Number	**3053835**	**3052835**	**3051835**	**3050836**	**3050822**	**3153735**	**3150734**
Edge Angle	34°	34°	34°	34°	22°	34°	34°
Soft Tissue	•	•	•	•	•	•	•
Hard Tissue	•	•				•	
Cryostat	•	•	•	•	•	•	
Thin Sectioning	•	•	•	•	•	•	•
Biopsies & Recuts	•	•	•	•		•	

Disposable Blade Matrix Key: • - Good; • - Best

Low Profile Blades

MX35 Ultra

These blades use a proprietary steel hardening technology (Pink Technology) that delivers unbeatable longevity and instantaneous ribboning.

- Blade angle is 34°

Description	Order Number
MX35 Ultra	**3053835**

MX35 Premier +

These blades are the best for routine histology as they are designed extra sharp with an extended cutting life.

- Blade angle is 34°

Description	Order Number
MX35 Premier +	**3052835**

MX35 Premier

A routine histology blade good for a variety of tissue types.

- Blade angle is 34°

Description	Order Number
MX35 Premier	**3051835**

MB Dynasharp

For biopsies and other small tissues the MB Dynasharp produces excellent sections from the first turn of the hand wheel.

- Blade angle is 34°

Description	Order Number
MB Dynasharp	**3050836**

MB22 Premier

The MB22's steeper angle allows users to accurately cut thinner sections faster.

- Blade angle is 22°

Description	Order Number
MB22 Premier	**3050822**

High Profile Blades

HP35 Ultra

Revolutionary high-profile blade that delivers unbeatable longevity and instantaneous ribboning.

- Blade angle is 34°

Description	Order Number
HP35 Ultra	**3153735**

HP35

Non-coated blade allows for reliable and thin sectioning.

- Blade angle is 34°

Description	Order Number
HP35	**3150734**

Thermo Scientific Dissection Scalpels and Blades

- Properly hardened, tempered and passivated
- Electronically polished and cleaned for a high quality finish
- Patterns, dimensions and finish held to exacting standards, producing the finest instruments available
- Guaranteed to be free from defects in material and workmanship

Heavy-Duty Scalpel

- Standard belly blade

Blade	Size	Qty.	Order Number
50 x 13mm	18.0cm	ea.	**745**

Stainless Steel Scalpel Blade Handle

- Stainless steel, No.4

Description	Size	Qty.	Order Number
Holds No. 20-25 Blades	21.6cm	ea.	**5334**

Nickel-Plated Scalpel Blade Handle

- Rustless, nickel-plated steel, No.4

Description	Size	Qty.	Order Number
Holds No. 20-25 Blades	15.9cm	ea.	**53410**

Plated Scalpel Blade Handle

- Plated, No.4

Description	Size	Qty.	Order Number
Holds No. 20-25 Blades	14.0cm	ea.	**5324**

Plastic Scalpel Blade Handle

- Red plastic, No.6
- Autoclavable

Description	Size	Qty.	Order Number
Holds No. 20-25 Blades	13.3cm	ea.	**3120027**

Sterile Scalpel Blade, No. 11

Size	Qty.	Order Number
40mm	100/pk.	**3120030**

Sterile Scalpel Blade, No. 21

Size	Qty.	Order Number
51mm	100/pk.	**53221**

Blade Removal Instrument

Description	Qty.	Order Number
Stainless steel	ea.	**535**

Disposable Autopsy Knives

These knives are available in 5 sizes to allow the user to select the optimum size of knife for the application.

- High-quality, Sheffield stainless steel, double-honed blades
- 120mm long, moulded handle with finger guard for safety
- Box doubles as a tissue cassette archive with a capacity of approx. 250 standard blocks

Description	Use	Qty.	Order Number
100mm blade	Cartilage	10/pk.	**E18/37/4**
150mm blade	Trimming	10/pk.	**E18/37/6**
200mm blade	Macro	10/pk.	**E18/37/8**
250mm blade	Lung	10/pk.	**E18/37/10**
300mm blade	Brain	10/pk.	**E18/37/12**

Fine Cutting Tool

These tools are designed to assist with consistency in grossing - the user can choose whether to gross their specimens at 3, 4 or 5mm thickness.

- Easy to clean, chemical resistant, and autoclavable

Includes

Allen wrench and sample pack of Thermo Scientific Edge-Rite™ disposable blades.

Description	Qty.	Order Number
Fine Cutting Tool Kit, 3mm	ea.	**9813**
Fine Cutting Tool Kit, 4mm	ea.	**9814**
Fine Cutting Tool Kit, 5mm	ea.	**9815**
Edge-Rite disposable blades	50/pk.	**4275H**

Post Mortem Board Table

- A low-level stainless steel post mortem table which includes the E7/7 board
- The board sits at a slight incline to aid drainage away from the user
- Rubber feet to prevent movement
- Removable perforated tray for drainage
- Tool storage area

Description	Qty.	Order Number
Post Mortem Board Table	ea.	**E7/7T**

Post Mortem Board

- A solid block of rubber/clay compound
- Impervious to fluids making them very hygenic to use
- Density and hardness optimises the life of both the board and knives
- Textured surface to prevent specimens from slipping
- Buff colour provides excellent contrast, particularly for biopsy material

Description	Qty.	Order Number
Post Mortem Board	ea.	**E7/7**

Cork Boards

- Resin bonded cork dissecting boards

Description	Qty.	Order Number
305 x 305 x 20 mm	ea.	**E7/3**
450 x 305 x 20 mm	ea.	**E7/4**
450 x 450 x 20 mm	ea.	**E7/5**

Cork Sheets

- Resin bonded cork sheets for specimen preparation

Description	Qty.	Order Number
305 x 305 x 1.6 mm	6/pk.	**E7/28**

Cork Disks

- Cork disks for cryostat use

Description	Qty.	Order Number
20 mm diameter x 3mm thick	100/pk.	**E7/15/CD**

Disposable Dissecting Boards

- Designed to increase safety and hygene in high-risk areas as well as routine cutting areas
- Made from foam-filled board to help protect surfaces

Description	Qty.	Order Number
297 x 420 x 5mm	10/pk.	**E7/35**

Disposable Dissecting Pins

- Pin mounted in plastic head with indicator label

Description	Qty.	Order Number
12 mm	10/box	**E9/1**

Thermo Scientific Complete Staining Assemblies

Complete Staining Assembly 100

- Complete Assembly 100 includes rack/handle (No. 109), dish (No. 102) and cover (No. 101)
- Staining Rack 109 is made from stainless steel and holds up to 19 slides; maximum slide size is 75 x 50mm
- Staining Dish 102 is made from non autoclavable glass with inside dimensions of 90 x 70 x 65mm
- Staining dish holds up to 250ml of solution with a fully loaded staining rack
- Staining Dish Cover 101 is made from stainless steel

Description	Qty.	Order Number
Complete Assembly 100	ea.	**100**
Staining rack	ea.	**109**
Staining dish	ea.	**102**
Staining dish cover	ea.	**101**

Complete Staining Assembly 110

- Complete assembly 110 includes rack/handle (No. 113), dish (No. 112) and cover (No. 111)
- Staining Rack 113 is made from stainless steel and holds up to 30 slides; maximum slide size is 75 x 50mm
- Staining Dish 112 is made from stainless steel with inside dimensions of 110 x 85 x 75mm
- Staining dish holds up to 350ml of solution with a fully loaded staining rack
- Staining Dish Cover 111 is made from stainless steel

Description	Qty.	Order Number
Complete Assembly 110	ea.	**110**
Staining rack	ea.	**113**
Staining dish	ea.	**112**
Staining dish cover	ea.	**111**

Complete Staining Assembly 117

- Complete Assembly 117 includes rack/handle (No. 120), dish (No. 119) and cover (No. 118)
- Staining Rack 120 is made from stainless steel and holds up to 60 slides; maximum slide size is 75 x 50mm
- Staining Dish 119 is made from stainless steel with inside dimensions of 202 x 85 x 75mm
- Staining dish holds up to 750ml of solution with a fully loaded staining rack
- Staining Dish Cover 118 is made from stainless steel

Description	Qty.	Order Number
Complete Assembly 117	ea.	**117**
Staining rack	ea.	**120**
Staining dish	ea.	**119**
Staining dish cover	ea.	**118**

Complete Staining Assembly 121

- Complete Assembly 121 includes rack/handle (No. 113), dish (No. 122) and cover (No. 123)
- Staining Rack 113 is made from stainless steel and holds up to 30 slides; maximum slide size is 75 x 50mm
- Staining Dish 122 is made from non autoclavable glass with inside dimensions of 110 x 92 x 67mm
- Staining dish holds up to 350ml of solution with a fully loaded staining rack
- Staining Dish Cover 123 is made from stainless steel

Description	Qty.	Order Number
Complete Assembly 121	ea.	**121**
Staining rack	ea.	**113**
Staining dish	ea.	**122**
Staining dish cover	ea.	**123**

Complete Staining Assembly 130

- Complete Assembly 130 includes rack/handle (No. 120), dish (No. 131) and cover (No. 132)
- Staining Rack 120 is made from stainless steel and holds up to 60 slides; maximum slide size is 75 x 50mm
- Staining Dish 131 is made from non autoclavable glass with inside dimensions of 202 x 112 x 72mm
- Staining dish holds up to 750ml of solution with a fully loaded staining rack
- Staining Dish Cover 132 is made from stainless steel

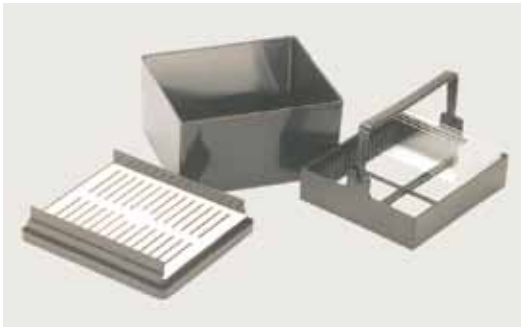
Description	Qty.	Order Number
Complete Assembly 130	ea.	**130**
Staining rack	ea.	**120**
Staining dish	ea.	**131**
Staining dish cover	ea.	**132**

Plastic Staining Dish, Cover and Rack

- Staining Rack 196 is made from polyoxymethylene plastic and holds up to 25 slides; maximum slide size is 75 x 50mm
- Swing-down rack handle folds flat and does not detach
- Staining Dish 195 is made from microwavable (up to 5 min.) plastic with internal dimensions of 94 x 81 x 49mm; plastic lid is included with dish
- Staining dish holds up to 250ml of solution with a fully loaded staining rack
- Polyoxymethylene plastic withstands temperatures from -40° to +90°C

Ordering Information

Rack and dish with cover are sold separately. Not available as a complete assembly.



Description	Qty.	Order Number
Plastic staining dish and cover	ea.	**195**
Plastic staining rack	ea.	**196**

Small Glass Trough with Glass Lid

- Moulded glass trough with a drop-on glass lid

Accommodates the following racks:

Glass Rack

- Wire lifters available
- Takes 76mm slides up to 40mm wide

Stainless Steel Swing Handle Rack

- Takes 76mm slides up to 40mm wide

Coverslip Staining Rack

- Takes 22x22mm coverslips

Description	Capacity	Order Number
Small Glass Trough with Glass Lid	165ml	**E106**
Glass Rack	10 slides (20 back to back)	**E98**
Wire Lifters for Glass Rack	N/A	**E97/5**
S. S Swing Handle Rack	12 slides	**E100**
Coverslip Staining Rack	25 coverslips	**E103**

Large Glass Trough with Glass Lid

- Moulded glass trough with a drop-on glass lid

Accommodates the following racks:

Stainless Steel Swing Handle Rack

- Takes 76mm slides up to 40mm wide

Description	Capacity	Order Number
Large Glass Trough with Glass Lid	240ml	**E105**
S.S Swing Handle Rack	25 slides	**E102**

Small Glass Trough with Stainless Steel Lid

- Moulded glass trough with flat ground lip and drop-on stainless steel lid with handle

Accommodates the following racks:

Stainless Steel Fixed Handle Rack

- Takes 76mm slides up to 50mm wide

Stainless Steel Vertical Slide Rack

- Takes 76 x 26mm slides

Description	Capacity	Order Number
Small Glass Trough with Stainless Steel Lid	230ml	**E106/7**
S.S Fixed Handle Rack	24 slides	**E102/5**
Vertical Slide Rack	48 slides	**E102/6**

Large Glass Trough with Stainless Steel Lid

- Moulded glass trough with flat ground lip and drop-on stainless steel lid with handle

Accommodates the following racks:

Stainless Steel Fixed Handle Rack

- Takes 76mm slides up to 50mm wide (2 x E102/5)

Stainless Steel Vertical Slide Rack

- Takes 76 x 26mm slides (takes 2 x E102/6)

Description	Capacity	Order Number
Large Glass Trough with Stainless Steel Lid	500 ml	**E106/9**
S.S Fixed Handle Rack	55 slides	**E102/25**
S.S Fixed Handle Rack	24 slides	**E102/5**
S.S Vertical Slide Rack	48 slides	**E102/6**

Polyacetal Troughs

- Moulded black polyacetal trough with close fitting lid
- Polyacetal can be used with alcohol and xylene but not phenol

Accommodates the following racks:

Polyacetal Rack

- Takes 76 x 26mm slides

Description	Capacity	Order Number
Polyacetal Troughs	170 ml	**E107**
Polyacetal Rack	25 slides	**E99**

Thermo Scientific Laboratory Marker Pens

These permanent, non-toxic pens write on plastic tissue cassettes, painted or frosted-end microscope slides, ceramics, vinyl, porcelain, metal and Mylar®.

- Ink dries quickly, will not run or smear and resists alcohol and xylene
- Fine point gives a thin, easy-to-read line

Description	Qty.	Order Number
Secureline Marker II, Black	10/pk.	**1451**

Artline Markers

These permanent, xylene-free, black marker pens will write on almost any surface including glass, porcelain, plastic, metal and rubber.

Description	Order Number
Artline 70 - 1.5mm Bullet Tip	**E22/01/A70/B**
Artline 250 - 0.4mm Tip	**E22/01/A250/B**
Artline 700 - 0.7mm Tip	**E22/01/A700/B**

Slide Labels

Description	Qty.	Order Number
Slide Labels	1000/pk.	**E30/1**

Specimen Buckets

Description	Order Number
Specimen Bucket	
0.5 L	**E89/11**
1 L	**E89/12**
2.5 L	**E89/13**
5 L	**E89/14**
10 L	**E89/16**

Thermo Scientific Slide Racks

Vertical Slide Staining Rack

A stainless steel rack with grooves to hold 76 x 26mm slides.

Capacity	Qty.	Order Number
38 slides (76 x 26mm)	ea.	**143**
60 slides (76 x 26mm)	ea.	**E89**

Plastic Slide Grip

A moulded plastic slide holder that can withstand chemicals used in staining, including special stains and metals.

- Can be used in temperatures up to 80°C

Capacity	Qty.	Order Number
5 slides (76 x 26mm)	ea.	**1795**

Slide Holder

This stainless steel holder can be used with the Frozen Staining Kit Glass Beakers (see page 130).

- Individually stamped slots

Capacity	Qty.	Order Number
10 slides (76 x 26mm)	ea.	**147**

Angus-Ranieri™ Slide Rack

- Dimensions (D x W x H): 29.2 x 64.8 x 7.6cm

Capacity	Qty.	Order Number
40 slides (76 x 26mm)	ea.	**9991010**

Perspex Slide Rack

Perspex plate with twelve transverse grooves to take microscope slides of various sizes.

- Dimensions 162 x 64mm

Capacity	Qty.	Order Number
24 slides (76 x 26mm)	ea.	**E89/055**

Immuno Slide Staining Trays

Developed for routine reagent techniques requiring a humid chamber, this tray allows simple, safe manipulation of slides (76 x 26mm) using only one hand.

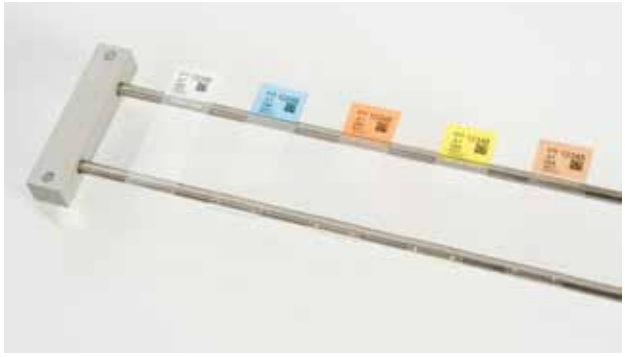
- Made of stainless steel with a removable slide support
- Slide support can be tilted to allow buffer or reagent to run-off
- Clear perspex inner cover allows visual examination during staining
- Extra stainless steel cover prevents reagent evaporation

Physical Specification

Dimensions (D x W x H): 350 x 255 x 35mm (with lid)

Capacity	Qty.	Order Number
24 slides	ea.	**E103/3**

Staining Rack Ends and Rods



These rack ends and rods are an ideal assembly for staining 76mm slides over a sink.

- Rack ends are made from chrome-plated brass, have levelling feet and are supplied in pairs
- Rods are made from 6mm diameter stainless steel and are supplied in 2 x 60cm lengths

Capacity	Qty.	Order Number
Staining rack ends and rods	ea.	**A82610024**

Coverslip Staining Racks

These racks securely hold 22mm or 24mm coverslips.

- Available in three sizes
- Five coverslip rack will fit in Vertical Staining Jar 140 or Glass Beaker 146
- Thirty coverslip rack includes a spring-type detachable handle and measures 102 x 28 x 30mm

Description	Qty.	Order Number
5 coverslip rack	ea.	**114**
25 coverslip rack	ea.	**E103**
30 coverslip rack	ea.	**116**

Thermo Scientific Staining Jars

Coplin Staining Jar

A heavy, clear glass jar with internal grooves.

- Holds 10 slides (76 x 26mm) back-to-back
- Includes a glass drop-on lid or a plastic screw-on cap

Description	Qty.	Order Number
Drop-on lid	ea.	**E94**
Screw-on lid	ea.	**107**

Hellendahl Jar

A moulded, clear glass jar with internal grooves.

- Holds 16 slides back-to-back
- Includes flanged, clear glass cover
- Wide-mouthed for easy slide handling

Description	Qty.	Order Number
Hellendahl jar	ea.	**E95**

Schieferdecker Jar

A heavy, clear glass jar with internal grooves.

- Holds 20 slides back-to-back (horizontal orientation)
- Heavy, clear glass jar with internal grooves
- Includes flanged, clear glass cover

Description	Qty.	Order Number
Schieferdecker jar	ea.	**E104**

Stretton Young Jar

A moulded polypropylene jar with screw fitting lid and grooves to accept 76 x 26mm slides vertically.

Capacity	Qty.	Order Number
10 slides	ea.	**E96**

Plastic Coplin Staining Jar

A microwaveable, high-density polyethylene jar with internal grooves.

- Holds 10 slides back-to-back
- For general purpose use
- 40mm diameter circular, tapered top
- Includes domed, screw-on cap

Description	Qty.	Order Number
Microwavable plastic Coplin staining jar	ea.	**194**

Columbia Jar

A glass jar to accept 22 x 22mm coverslips.

- Low volume requirement (8ml) makes this suitable for use with costly reagents
- Supplied with plastic screw-on cap

Capacity	Qty.	Order Number
8 coverslips	ea.	**E93**

Embryo Dishes

A moulded, clear glass dish with glass lid for use for staining or viewing of free floating specimens.

- Available in two sizes

Description	Qty.	Order Number
30mm	ea.	**E90**
40mm	ea.	**E91**

Count Down/Up Timer

A compact electronic timer with LCD.

- Slim plastic casing
- Spring clip for pocket use, bench bracket and magnetic plate, bleeper alarm

Description	Qty.	Order Number
Count down/up timer	ea.	**E107/53/CDUT**

Thermo Scientific Haematoxylin Comparison Chart

Haematoxylins for Every Application

	Signature Series Haematoxylin 7211	Signature Series Haematoxylin 7212	Signature Series Haematoxylin 1	Signature Series Haematoxylin 2	Modified Harris	Modified Mayer's
Protocol	Progressive	Progressive	Progressive	Progressive	Regressive	Progressive
Filtration Required	No	No	No	No	No	No
Benefits	Flexible–can be used instead of Harris or Gill; no mucoid staining; can yield ~ 2500 slides	Flexible–can be used instead of Harris or Gill; no mucoid staining; darker than 7211; can yield ~ 3000 slides	Use in place of Gill	Use in place of Harris	Does not contain mercury	No mucoid staining
Frozen Sections	•	•	•	•	•	•
Plastics	•	•	•	•	•	•
Immuno-histochemistry	•	•	•	•	• (cannot be used w/AEC substrate)	•
Special Stains	•	•	•	•	•	•
Cytology	•	•	•	•	•	•

	Shandon Instant	Harris Unacidified	Harris Acidified	Gill 1	Gill 2	Gill 3
Protocol	Progressive or Regressive	Regressive	Regressive	Progressive	Progressive	Progressive or Regressive
Filtration Required	Formula Dependent	Yes	Yes	No	No	Yes
Benefits	Flexible–can be used in place of Harris or Mayer's; no mucoid staining	No mucoid staining	No mucoid staining	For delicate nuclei; mucoid staining	Will not overstain; mucoid staining	Intense; will not overstain; mucoid staining
Frozen Sections	•	•	•		•	•
Plastics	•	•	•		•	•
Immuno-histochemistry	•			•	•	
Special Stains	•			•		
Cytology	•	•	•		•	•

Thermo Scientific Signature Series™ Stains

Haematoxylin 7211

A uniquely formulated product that yields results which exceed that of Gill or Harris Haematoxylins.

- No affinity for acid mucopolysaccharide (mucin) staining
- Crisp slides with clear, well-defined nuclear chromatin delineation

Size	Qty.	Order Number
0.47L bottle	4/cs.	**7211**

Haematoxylin 7212

7212 offers a unique formula consisting of a new generation dye-lake complex.

- Rapid, progressive stain requires no filtration prior to use
- Contains no mercuric oxide
- Little affinity for mucin staining
- Results in clear, crisp nuclear stain with a deeper, more robust intensity

Size	Qty.	Order Number
0.47L bottle	4/cs.	**7212**

Haematoxylin 1

This formulation produces staining intensities similar to Gill® 1, 2, and 3 Haematoxylins, based on timing. Differentiation is not necessary, however, Clarifier™ 1 should be used to eliminate any background staining caused by use of excessive water bath adhesive.

- Rapid stain requires no filtration prior to use
- Will not form crystals upon standing or exposure to cold weather

Size	Qty.	Order Number
0.47L bottle	4/cs.	**7221**

Haematoxylin 2

This formulation produces staining intensity similar to Harris Haematoxylin. Unlike many comparable products, Haematoxylin 2 does not contain mercuric oxide and will not form a metallic sheen over its surface each day.

Differentiation is not necessary, however, Clarifier™ 2 should be used to eliminate any background staining caused by the use of excessive water bath adhesive.

- Recommended for frozen sections
- Requires no filtration prior to use
- Will not form crystals upon standing or exposure to cold weather

Size	Qty.	Order Number
0.47L bottle	4/cs.	**7231**

Eosin-Y

A fast-acting, alcoholic counterstain that provides excellent delineation of cytoplasmic components.

- Colour contrast between the nuclei and cytoplasm is unmatched
- Various shades of red and pink differentiate muscle, red blood cells, and connective tissue
- Strict quality assurance guarantees product consistency and longevity
- Quantitative testing eliminates the need for adjustments in dilution or time

Size	Qty.	Order Number
0.47L bottle	4/cs.	**7111**

Bluing Reagent

Buffered to ensure proper alkalinity (pH = 8.0). This bluing reagent is premixed and ready to use.

- Requires only a one minute rinse in water versus conventional bluing agents which require up to five minutes of rinsing
- Ensures crisp nuclear detail and does not allow for tissue sections to be washed off the slide during the remainder of the staining process

Size	Qty.	Order Number
3.79L bottle	ea.	**7301**
3.79L bottle	4/cs.	**7341**

Clarifier™ 1, 2

These unique acetic acid reagents supplement the Thermo Scientific family of Haematoxylins.

- Designed to remove background stain caused by excessive use of tissue adhesive and to increase cell transparency
- Both Clarifier 1 and 2 selectively remove Haematoxylin staining from excess adhesive without affecting nuclear staining
- Use of Clarifier 1 or 2 improves contrast between nuclei and cytoplasm

Description	Qty.	Order Number
Clarifier 1		
3.79L bottle	ea.	**7401**
3.79L bottle	4/cs.	**7441**
Clarifier 2		
3.79L bottle	ea.	**7402**
3.79L bottle	4/cs.	**7442**

Gill 1, 2, 3 Haematoxylin

Gill Haematoxylins are progressive nuclear stains. Three strengths are available, allowing the user complete control of staining intensities.

- Gill 1 is recommended for use in cytology
- Gill 2 has applications in histology and cytology
- Gill 3 is used in histology
- All are premixed and ready to use

Description	Qty.	Order Number
Gill 1 Haematoxylin		
3.79L bottle	ea.	**72411**
Gill 2 Haematoxylin		
3.79L bottle	ea.	**72511**
Gill 3 Haematoxylin		
3.79L bottle	ea.	**72611**

Modified Harris Haematoxylin

A regressive nuclear stain.

- Formulation contains no mercury and is more stable than conventional Harris Haematoxylin
- Can be used in both histology and cytology

Size	Qty.	Order Number
3.79L bottle	ea.	**72711**

Modified Mayer's Haematoxylin

A progressive nuclear stain. It is difficult to overstain sections with this product, yet very crisp nuclear staining is achieved.

- A good choice as a counterstain in immunoperoxidase and special stain procedures
- Requires no acid rinse and does not stain mucin
- Recommended for use when less intense results are desired

Size	Qty.	Order Number
0.47L bottle	4/cs.	**72804**

Eosin-Y Alcoholic, Eosin-Y with Phloxine

These stains have been developed to satisfy a wide range of customer needs. Strict quality control of raw materials and finished product ensures the highest product quality every time.

- Eosin-Y Alcoholic produces three distinct colour variations enhancing differentiation between muscle, red blood cells, and connective tissue
- Eosin-Y with Phloxine yields a brighter reddish hue and a more dramatic differentiation of cytoplasmic colour than Eosin-Y Alcoholic

Description	Qty.	Order Number
Eosin-Y Alcoholic		
0.47L bottle	4/cs.	**71204**
3.79L bottle	ea.	**71211**
Eosin-Y with Phloxine		
0.47L bottle	4/cs.	**71304**
3.79L bottle	ea.	**71311**

Thermo Scientific Staining Reagents

All stains use Biological Stain Commission certified dyes

Harris Haematoxylin

No mucoid staining.

- Acidifed: Intensely stained, blue-black nuclei
- Non-acidified: Intensely stained, blue-black nuclei

Description	Qty.	Order Number
Acidified		
4L bottle	ea.	**6765004**
1L bottle	2/cs.	**6765003**
Non-acidified		
4L bottle	ea.	**6765002**
1L bottle	2/cs.	**6765001**

Instant Haematoxylin

No mucoid staining.

- May be used as a substitute for Harris or Gill
- Stains from blue-black to light blue depending upon preparation

Description	Order Number
6/pk. (makes 1L x 6)	**6765015**

Gill® Haematoxylin 1,2,3

Mucoid staining.

- Gill 1: Light blue nuclei
- Gill 2: Medium blue nuclei
- Gill 3: Blue-black nuclei

Description	Qty.	Order Number
Gill 1 Haematoxylin		
4L bottle	ea.	**6765006**
1L bottle	2/cs.	**6765005**
Gill 2 Haematoxylin		
4L bottle	ea.	**6765008**
1L bottle	2/cs.	**6765007**
Gill 3 Haematoxylin		
4L bottle	ea.	**6765010**
1L bottle	2/cs.	**6765009**

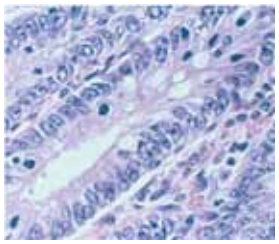
Bluing Reagent

A bluing reagent that blues Haematoxylin-stained nuclei.

- Gentle, with no loss or lifting of material from slides (typically associated with ammonia water use)
- Thoroughly pH-controlled for completely effective bluing
- Ready to use

Description	Qty.	Order Number
4L bottle	ea.	**6769002**
1L bottle	2/cs.	**6769001**

Nu-Clear™



A specially formulated acid alcohol solution. Acid alcohol enhances staining by removing excess Haematoxylin from the slide, resulting in improved cell clarity. Will also remove the residual Haematoxylin staining the glass. Designed to be used with the full line of Thermo Scientific automatic stainers as well as manual methods.

Nu-Clear I

- Fast-acting solution
- Recommended for use as a 10-second step in most protocols
- Particularly beneficial for use with Harris Haematoxylin
- May be used on the Thermo Scientific Varistain® 24-4 or Varistain® Gemini ES

Nu-Clear II

- Less concentrated
- Recommended as a 20 second step
- May be used on the Thermo Scientific Linistat™ and other linear stainers
- Recommended for use with Gill Haematoxylins

Description	Size	Qty.	Order Number
Nu-Clear I	3.79L	ea.	**6769008**
Nu-Clear II	3.79L	ea.	**6769009**

Eosin-Y

A fast-acting cytoplasmic counterstain.

- Stable and precipitate-free; no filtering
- Produces consistent results
- pH-adjusted for maximum stain uptake
- Produces brilliant staining
- Compatible with all alum Haematoxylin stains
- Available in alcoholic or aqueous formulations
- Ready to use

Description	Qty.	Order Number
Eosin-Y Alcoholic		
4L bottle	ea.	**6766008**
1L bottle	2/cs.	**6766007**
Eosin-Y Aqueous		
4L bottle	ea.	**6766010**
1L bottle	2/cs.	**6766009**

Instant Eosin

This instant Eosin is stable, precipitate-free and requires no filtering.

- Produces consistent results
- pH-adjusted for maximum stain uptake
- Produces brilliant staining
- Compatible with all alum Haematoxylin stains

Description	Qty.	Order Number
Alcoholic	6/pk. (makes 6L)	**6765040**
Aqueous	6/pk. (makes 6L)	**6765540**

Thermo Scientific R A Lamb Staining Solutions

The R A Lamb staining solutions have now been added to the Thermo Scientific range.

These are mainly manufactured to the original Raymond A Lamb formulas which are well established and proven to be of the highest quality.

Description	Size	Order Number
Auramine Phenol	1L	**LAMB/010-D**
Carbol Fuchsin (Ziehl-Neelsen)	1L	**LAMB/020-D**
Carbol Fuchsin (Kinyoun)	500 ml	**LAMB/030-C**
Cold AFB (Blue Counterstain)	1L	**LAMB/040-D**
Cold AFB (Carbol Fuchsin)	1L	**LAMB/050-D**
Cotton Blue Lactophenol	500 ml	**LAMB/060-C**
Crystal Violet (Aqueous 0.5%)	1L	**LAMB/070-D**
Elastin Stain (Miller)	1L	**LAMB/080-D**
Eosin (Aqueous 1%)	1L	**LAMB/100-D**
Feulgen Stain (Schiff)	1L	**LAMB/110-D**
Giemsa "1" Stain (RAL Modified)	1L	**LAMB/120-D**
Giemsa "2" Stain (RAL Modified)	1L	**LAMB/130-D**
Haemalum (Mayer)	1L	**LAMB/170-D**
Haematoxylin (Ehrlich)	1L	**LAMB/190-D**
Haematoxylin (Harris)	1L	**LAMB/230-D**
Haematoxylin (Non-acid)	1L	**LAMB/240-D**
Haematoxylin (Weigert A)	500 ml	**LAMB/250-C**
Haematoxylin (Weigert B)	500 ml	**LAMB/260-C**
Jenner Stain	1L	**LAMB/270-D**
Leishman Stain	1L	**LAMB/280-D**
Lugol Iodine	1L	**LAMB/290-D**
May Grunwald Stain	1L	**LAMB/310-D**
Methyl Green Pyronin (Pappenheim)	500 ml	**LAMB/320-C**
Methylene Blue (Loeffler)	500 ml	**LAMB/340-C**
Neutral Red (Aqueous 1%)	1L	**LAMB/350-D**
Orcein Shikata	500 ml	**LAMB/360-C**
Papanicolaous Stain EA50	1L	**LAMB/370-D**
Papanicolaous Stain OG6	1L	**LAMB/380-D**
Van Gieson Stain	1L	**LAMB/400-D**
Wright Stain	1L	**LAMB/410-D**
FIXATIVES		
Formaldehyde (Conc x 5 phosphate buffered)	1L	**LAMB/520-D**
MOUNTANTS		
Apathy's Mounting Medium	100ml	**LAMB/540-A**
Buffer Solution (Sorenson's) Cone pH 6.8	5 x 25ml	**LAMB/550-A**

Thermo Scientific Chromaview® Special Stain Kits

Series of special stains and reagents function together as a system to visualize specific cell entities

Bring a systems-approach to special stains offering quality, consistency, ease of use, and economy. Available as convenient, ready-to-use kits or as individual components.

Amyloid Stain

For the demonstration of amyloid.

- Alkaline Congo Red solution will stain amyloid orange to red and display apple-green birefringence when examined with polarising microscope

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87003**
Components			
Sodium Hydroxide Solution (dropper)	8ml	ea.	**88004**
Congo Red Solution	500ml	ea.	**88005**
Modifier Mayer's Haematoxylin	500ml	ea.	**88006**

Methyl Green-Pyronin Y

Effective in the identification of plasma cells and RNA in tissue sections and cytological preparations.

- DNA is stained green, and RNA is stained red
- Concentrated MGP is diluted prior to use

Description	Size	Qty.	Order Number
Methyl Green-Pyronin Y	125ml	ea.	**87011**

Iron Stain

Used to detect presence of ferric iron (hemosiderin) in histological or hematological preparations.

- Useful in study of iron deficiency anemia, hemochromatosis, and hemosiderosis
- Iron stains blue, nuclei pink-red, and cytoplasm pale pink

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87006**
Components			
Potassium Ferrocyanide Solution	250ml	ea.	**88013**
Hydrochloric Acid Solution (20%)	250ml	ea.	**88014**
Nuclear Red Thiazin Stain Solution	125ml	ea.	**88015**

Elastic Stain

Based on the Verhoeff Elastic technique.

- Used to demonstrate the atrophy, thinning, and loss of elastic tissue
- Also used for identifying the breaks, splitting, and reduplication of elastic lamellae that occur in vascular diseases
- Elastic fibres are stained blue-black to black with red collagen and a yellow background

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87017**
Components			
Alcoholic Haematoxylin Solution	250ml	ea.	**88007**
Ferric Chloride Solution	125ml	ea.	**88008**
Weigert's Iodine Solution	125ml	ea.	**88009**
Sodium Thiosulfate Solution	500ml	ea.	**88000**
Van Gieson Stain Solution	250ml	ea.	**88011**

Gram Stain (Tissue)

Identifies Gram-positive and Gram-negative bacteria in tissue sections.

- Gram-positive organisms stain blue to blue-black with Gram-negative organisms staining red
- Tartrazine provides a yellow background stain

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87018**
Components			
Tartrazine Stain Solution	500ml	ea.	**88012**
Crystal Violet Solution	500ml	ea.	**88101**
Gram's Iodine Solution	500ml	ea.	**88102**
Safranin O Stain Solution	500ml	ea.	**88103**
Decolourising Solution	500ml	ea.	**88104**

Periodic Acid-Schiff (PAS)

Use to demonstrate the patterns and presence of specific carbohydrates.

- Glycogen, mucin, and some basement membranes and fungal walls will stain rose to magenta while the nuclei are blue

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87007**
Components			
Periodic Acid Solution (0.5%)	500ml	ea.	**88016**
Schiff Reagent	500ml	ea.	**88017**
Haematoxylin 1	500ml	ea.	**88018**

Modified Grocott's Methenamine

Silver (Chromic Acid).

- Uniquely modified silver stain formulation utilizes methenamine/borax capsules to make working silver solution
- Aids in distinguishing fungi, basement membranes, and opportunistic organisms such as Pneumocystis carinii in tissue sections
- Chromic acid solution will enhance detection of Pneumocystis carinii, histoplasmosis, and fungus organisms while eliminating non-specific background staining these entities along with reticular fibres are stained black
- Background is stained green

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87024**
Components			
Methenamine/Borax (capsules)	6/pk.	2	**88023**
Fast Green Stain Solution	125ml	ea.	**88024**
Sodium Thiosulfate Solution	125ml	ea.	**88025**
Sodium Metabisulfite Solution	500ml	ea.	**88042**
Gold Chloride Solution (0.1%)	125ml	ea.	**88026**
Chromic Acid Solution (5%)	500ml	ea.	**88041**
Silver Nitrate Solution (5%)	30ml	ea.	**88036**

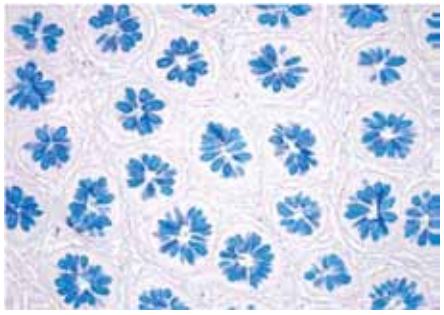
Modified Grocott's Methenamine

Silver (Periodic Acid).

- Uniquely modified silver stain formulation utilises methenamine/borax capsules to make working silver solution
- Aids in distinguishing fungi, basement membranes, and opportunistic organisms such as Pneumocystis carinii in tissue sections
- These entities, along with reticular fibres, are stained black
- Background is stained green

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87008**

Alcian Blue/PAS



Use to demonstrate presence of both neutral and acidic mucosubstances.

- Alcian Blue pH 2.5 Stain Solution can be used alone to stain acid mucins and other carboxylated and sulfated acid mucosubstances blue on tissue sections
- Periodic Acid Schiff (PAS) reaction is used for glycogen, basement membranes, and neutral mucosubstances; stains these entities pink

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87023**
Components			
Alcian Blue pH 2.5 Stain Solution	500ml	ea.	**88043**
Periodic Acid Solution (0.5%)	500ml	ea.	**88016**
Schiff Reagent	500ml	ea.	**88017**

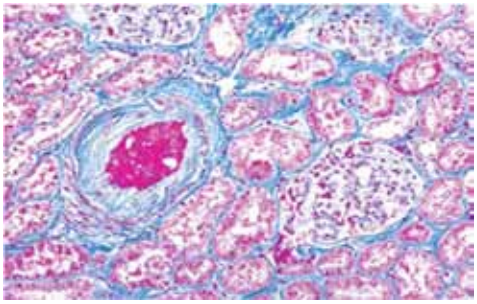
Reticulin Silver

This Gordon and Sweet's modification will identify and visualize reticular fibres in tissue sections.

- Working ammoniacal silver solution selectively impregnates and reacts with reticular fibres through multiple reactions, including oxidation and reduction
- Kernechtrot Nuclear Fast Red Stain Solution provides red background stain

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87025**
Components			
Oxalic Acid Solution	125ml	ea.	**88045**
Potassium Permanganate Solution	125ml	ea.	**88046**
Ferric Ammonium Sulfate Solution	125ml	ea.	**88047**
Reducing Solution	500ml	ea.	**88048**
Gold Chloride Solution (0.1%)	125ml	ea.	**88026**
Sodium Thiosulfate Solution	125ml	ea.	**88025**
Kernechtrot Nuclear Fast Red Stain Solution	125ml	ea.	**88049**
Silver Nitrate Solution (10%)	125ml	ea.	**88050**
Ammonium Hydroxide Solution	8ml	ea.	**88051**
Sodium Hydroxide Solution (3%)	125ml	ea.	**88052**

Masson Trichrome



Vibrant colours of Masson Trichrome stain aid in differentiating collagen and smooth muscle in tumours; also help detect diseases of connective tissue and changes in muscle tissue.

- Cytoplasm, keratin, and muscle fibres are stained red, with collagen and mucin stained blue
- Nuclei are black

Steiner-Steiner Silver

Determines spirochetes and nonfilamentous bacteria.

- Bacteria (including spirochetes and Legionella pneumophilia), Donovan bodies, and fungi all stain black
- Background is stained yellow to brown
- Kit formulation and detailed procedures provide consistent and reproducible results; kit does not contain uranyl nitrate

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87009**
Components			
Silver Nitrate Solution #2 (dropper)	8ml	ea.	**88021**
Silver Nitrate Solution #1	500ml	ea.	**88033**
Gum Mastic Solution	500ml	ea.	**88034**
Hydroquinone (capsules)	6/pk.	2	**88035**
Sensitiser Solution	500ml	ea.	**88054**

Description	Size	Qty.	Order Number
1 kit	-----	ea.	**87019**
Components			
Biebrich Scarlet: Acid Fuchsin Solution	250ml	ea.	**88019**
Phosphotungstic-Phosphomolybdic Acid Solution	250ml	ea.	**88024**
Aniline Blue Stain Solution	250ml	ea.	**88022**
Weigert's Iron Haematoxylin- Part A	500ml	ea.	**88028**
Weigert's Iron Haematoxylin- Part B	500ml	ea.	**88029**
Bouin's Fluid	500ml	ea.	**88038**
1% Acetic Acid Solution	500ml	ea.	**88039**

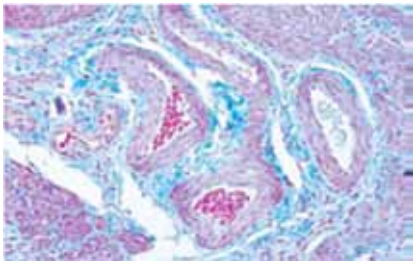
Mucicarmine

This stain is useful in the identification of primary tumour sites.

- Aids in distinguishing mucin-negative undifferentiated squamous cell lesions from mucin-positive adenocarcinomas
- Mucin is stained dark rose and the nuclei are black
- Capsule of Cryptococcus (fungus) is stained deep rose
- Tartrazine solution is used as a yellow cytoplasmic stain

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87012**
Components			
Tartrazine Stain Solution	500ml	ea.	**88012**
Weigert's Iron Haematoxylin Part A	500ml	ea.	**88028**
Weigert's Iron Haematoxylin Part B	500ml	ea.	**88029**
Mucicarmine Stock Solution	500ml	ea.	**88037**

Gomori Trichrome (Green Collagen)



Used to study the diseases of connective tissue and muscle associated with fibrotic and dystrophic changes.

- One-step trichrome stain provides distinctive red muscle fibres with green collagen staining

Description	Size	Qty.	Order Number
1 kit	---	ea.	**87021**
Components			
Weigert's Iron Haematoxylin- Part A	500ml	ea.	**88028**
Weigert's Iron Haematoxylin- Part B	500ml	ea.	**88029**
Gomori Trichrome Stain Solution,Green Collagen	500ml	ea.	**88031**
Bouin's Fluid	500ml	ea.	**88038**

Gomori Trichrome (Blue Collagen)

One-step trichrome stain achieves colour differentiation similar to the Masson Trichrome with a simple, time-saving procedure.

- Used to study the diseases of connective tissue and muscle associated with fibrotic and dystrophic changes
- Collagen is stained blue, cytoplasm and muscle fibres red, and the nuclei blue to black

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87020**
Components			
Weigert's Iron Haematoxylin Part A	500ml	ea.	**88028**
Weigert's Iron Haematoxylin Part B	500ml	ea.	**88029**
Gomori Trichrome Stain Solution, Blue Collagen	500ml	ea.	**88030**
Bouin's Fluid	500ml	ea.	**88038**

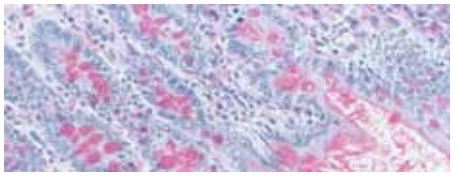
Solutions

Description	Size	Qty.	Order Number
Carbol Fuchsin-Kinyoun Solution (Cold Technique)	500ml	ea.	**88106**
Carbol Fuchsin-Kinyoun Solution (Heat Technique)	500ml	ea.	**88107**
Carbol Fuchsin-Ziehl-Neelsen Solution	500ml	ea.	**88108**
Loeffler Methylene Blue Stain Solution	1L	ea.	**88111**
Lugol's Iodine Solution (Concentrate)	500ml	ea.	**88114**
Phosphate-Buffered Saline, pH 7.4	10g	12	**86112**
Poly-L-Lysine Solution†	125ml	ea.	**86010**

†Poly-L-Lysine solution is packaged in a 125mL bottle for easy dilution.

Thermo Scientific Special Stain Kits

Periodic Acid Schiff Kit (PAS)



For the demonstration of polysaccharides, neutral mucosubstances, and basement membranes.

- Kit components include: Digestion kit; Harris Acidified Haematoxylin counterstain; manual, automated, and microwave protocols

Description	Size	Qty.	Order Number
Periodic Acid Schiff Kit	250ml	ea.	**B24200-250**

Acid-Fast Bacillus Stain

Allows rapid differentiation of acid-fast microorganisms from non-acid fast micro-organisms.

- Methylene Blue provided as counterstain
- No slide heating necessary
- Stains and reagents are ready to use
- Use as routine stain in microbiology or a special stain for histology
- Kit components include: Acid-Fast Bacillus Stain (Carbol Fuchsin); Acid Alcohol Decolourizer; and Methylene Blue Counterstain

Description	Size	Qty.	Order Number
Acid-Fast Bacillus Stain Kit	250ml	ea.	**9990730**

Thermo Scientific Haematology Stains

Giemsa Stain

An excellent classical blood film stain used on peripheral blood smears and bone marrow.

- Erythrocytes stain pink with platelets exhibiting a very light, pale hue
- Leukocyte nuclear chromatin stains magenta-purple
- Monocyte cytoplasm stains the classical “ground glass” blue
- Lymphocyte cytoplasm stains clear, sky blue

Description	Qty.	Order Number
0.95L bottle	ea.	**89002**
3.79L bottle	ea.	**89004**
9.46L bottle	ea.	**89003**

Buffered Wright Stain

A single solution stain containing fixative, buffer, and stain for rapid and convenient staining of blood smears.

- Packaged in a 0.95L bottle for ease of use; suitable for use on automated systems

Description	Qty.	Order Number
0.95L bottle	12/cs.	**3111**

Wright Stain

A dual-use stain for peripheral blood and bone marrow smears.

- Produces results similar to those of the Giemsa stain with a slightly greater contrast

Description	Qty.	Order Number
0.95L	ea.	**89012**
3.79L	ea.	**89010**
9.46L	ea.	**89011**

Wright-Giemsa Stain

A dual-use stain for peripheral blood and bone marrow smears.

- Produces somewhat darker results compared with Giemsa, particularly in the blue to magenta shades

Description	Qty.	Order Number
0.95L bottle	ea.	**89013**
3.79L bottle	ea.	**89014**
9.46L bottle	ea.	**89017**

Buffered Wright-Giemsa Stain

A single solution stain containing the fixative, buffer, and stain for rapid and convenient staining of blood smears.

- Suitable for use on automated systems

Description	Qty	Order Number
0.95L bottle	12/cs	**3121**

Wright-Giemsa Solution

Eosinates of polychrome methylene blue yield rich colour.

- Unique manufacturing process produces an intense differential stain for blood smears, bone marrows, mast cells, and FNAs
- Demonstrates microorganisms such as Microfilaria, Babesia, Haemobartonella, Giardia, Pneumocystis, and Helicobacter

Description	Size	Order Number
Wright-Giemsa Solution	4L	**9990715**

May-Grunwald Stain

A classical haematology stain requires longer staining times but produces very dense colouration.

- Used in the staining of peripheral blood smears and bone marrows
- Results are dramatically darker when compared with Giemsa and Wright Giemsa stains

Description	Qty	Order Number
0.95L bottle	12/cs	**89027**

Tetrachrome Blood Stain

This stain utilises the MacNeal formula.

- Can be substituted for Wright Stain solution

Description	Qty	Order Number
0.95L bottle	ea.	**89028**

Reticulocyte Stain

A specialised haematology stain for identifying immature erythrocytes.

- Immature erythrocytes stain blue in a fine mesh network within the erythrocyte; mature erythrocytes do not stain

Description	Qty	Order Number
125ml bottle	ea.	**89029**

Jenner Stain

Used for staining of peripheral blood smears.

- One of the oldest stain formulations still in use today
- Provides results similar to that of Giemsa stain
- Eosinophillic granules tend to appear brighter red, basophillic granules and nuclear chromatin stain a dense blue

Description	Qty	Order Number
0.95L	ea.	**89030**

Three-Step Stain

Three-Step Stain Set provides results equal to Wright-Giemsa.

- Stain can be used to detect H. Pylori
- Set contains three 500ml bottles consisting of Fixative Solution, Solution A (Eosin-Y), and Solution B (Azure A and Methylene Blue)
- Package insert provides easy-to-follow instructions
- Components are also available in 3.79L containers to facilitate use on automated stainers

Description	Size	Qty.	Order Number
Three-Step Stain Set	3 x 500ml	ea.	**3300**
Three-Step Fixative	3.79L	ea.	**3303**
Three-Step Solution A	3.79L	ea.	**3313**
Three-Step Solution B	3.79L	ea.	**3323**

R A Lamb Rapid Romanowsky Staining Kit

A triple stain pack which is used as a fast method of producing Romanowsky stain for use on blood cells, protozoa and spermatozoa.

- The pack contains 3 x 500ml bottles consisting of a Fixative Solution, and Acid dye and a basic dye

Description	Size	Qty.	Order Number
Rapid Romanowsky Staining Kit	3 x 500ml	ea.	**LAMB/610-K**

Haematology Stain Packs

Modified Wright and Wright-Giemsa Stain Packs are manufactured to fit Hema-Tek® 1, 1000, and 2000 slide stainers.

- Each pack comes in a convenient sleeve and contains a buffer, rinse, and stain
- Decreased precipitate with human blood smears
- Lot is quality controlled
- Complete line of accessories is also available

Description	Qty.	Order Number
Modified Wright Stain Pack	5/pk.	**3000**
Modified Wright-Giemsa Stain Pack	5/pk.	**3005**
Stain Pack Accessories		
Pump Tube Set (3/pk.)	8/pk.	**3010**
Cannula Set (3/pk.)	16/pk.	**3011**
Under Platen Tubing (3/pk.)	8/pk..	**3012**

Phosphate Buffer (6.6, 7.2)

Phosphate buffers for use with Giemsa, Wright, and Wright-Giemsa stains.

- Each single-use bottle yields 1L

Description	Size	Qty.	Order Number
Phosphate Buffer pH 6.6 (powder)	9.25g	12/cs.	**89032**
Phosphate Buffer pH 7.2 (powder)	9.25g	12/cs.	**89033**

Kwik-Diff™ Stains

A fast, three-step differential stain for cytologic preparations, FNAs, and microorganisms such as Helicobacter Pylori.

- A quick alternative to traditional Wright's and Giemsa staining procedures
- Kit components include: Reagent 1, Fixative; Reagent 2, Eosin; Reagent 3, Methylene Blue
- Available in kit form or as individual components

Description	Size	Order Number
Kwik-Diff Stain Kit	500ml	**9990700**
Kwik-Diff Stain Kit	125ml	**9990701**
Components		
Kwik-Diff Reagent 1, Fixative	4L	**9990705**
Kwik-Diff Reagent 2, Eosin	4L	**9990706**
Kwik-Diff Reagent 3, Methylene Blue	4L	**9990707**

Thermo Scientific Microbiology Stains

Gram Stain Kit (Film)

Provides qualitative differential staining of bacteria from cultures and patient specimens using a modified Hucker Gram stain method.

- Gram-positive microorganisms are stained purple and the Gram-negative bacteria stain pink to red

Description	Size	Qty.	Order Number
Gram Stain Kit (film)	1 kit	ea.	**87101**
Components			
Crystal Violet Solution	500ml	ea.	**88101**
Gram's Iodine Solution	500ml	ea.	**88102**
Safranin O Stain Solution	500ml	ea.	**88103**
Decolourising Solution	500ml	ea.	**88104**
Sodium Bicarbonate Solution	8ml	2/cs.	**88116**

Microbiology Reagents

Description	Size	Qty.	Order Number
Decolourising Solution	500ml	ea.	**88104**
Basic Fuchsin Stain Solution	500ml	ea.	**88105**
Gentian Violet Solution Aq. (1%)	1L	ea.	**88109**
Gentian Violet (Hucker) Solution	3.79L	ea.	**88110**
Safranin O Stain Solution	9.5L	ea.	**88112**
Acid Alcohol Solution 95%	1L	ea.	**88113**

Gram Stain

This Gram stain can be used as routine bacteriologic stain on fixed smears and histological slides.

- Based upon the popular Hucker modification
- Demonstrates the presence of microorganisms such as bacteria and differentiates between Gram-positive and Gram-negative bacteria
- Safranin O provided as a counterstain
- Available in kit form or as individual components
- Kit components include: Crystal Violet Stain, Gram's Iodine (stabilized), Decolourising Solution, and Safranin O Counterstain

Description	Size	Order Number
Gram Stain Kit	250ml	**9990720**
Gram Stain Kit	125ml	**9990721**
Gram Crystal Violet Stain	4L	**9990725**
Gram's Iodine	4L	**9990726**
Gram Decolourising Solution	4L	**9990727**
Safranin O	4L	**9990728**

Thermo Scientific Portable Staining Kits

Rapid-Chrome H & E Frozen Section Staining Kit

This kit produces permanently stained slides. It includes Rapid-Fixx, an economical, alcohol-based formalin ideal for fixing slides from frozen sections.

- Kit components include: Rapid-Fixx fixative, deionized water, Eosin-Y, xylene, Gill 3 Haematoxylin, bluing reagent, 100% alcohol, and mounting medium

Description	Qty	Order Number
100 slide capacity/kit	ea.	**9990001**

Rapid-Chrome Papanicolaou Staining Kit

Excellent for rapid results of fine needle aspirations or high-risk specimens. This kit contains a five-slide holder and a portable tray.

- Kit components include: Rinse water, Gill 2 Haematoxylin, bluing reagent, EA-50, 100% alcohol, OG-6, 95% alcohol, xylene, and mounting medium

Description	Qty	Order Number
100 slide capacity/kit	ea.	**9990020**

Rapid-Chrome Kwik-Diff ™ Staining Kit

Specially configured for performing quick, high-quality differential stains. This kit is ideal for FNA carts.

- Kit components include: Fixative, Methylene Blue, Eosin, deionized water, spill-free slide jar, one plastic slide grip, Superfrost slides, 24 x 50, No. 1 Coverslip, resin mount mountant, one cardboard slide folder and a Secureline® marker

Description	Qty	Order Number
100 slide capacity/kit	ea.	**9990702**

R A Lamb Immersion Oil

R A Lamb Immersion Oil is ideal for microscopy.

Description	Qty	Order Number
500ml Bottle	ea.	**LAMB/OIL**

Thermo Scientific Dyes and High Purity Chemicals

Manufactured to meet rigid specifications

Dry Powder Stains

- Certified by the Biological Stain Commission

Description	Qty.	Order Number
Eosin-Y	100g	**90017**
Haematoxylin	25g	**90022**
Wright Stain	25g	**90049**

Formaldehyde 37% (ACS)

- Solution is stabilised
- Not intended for use as a disinfectant

Description	Qty.	Order Number
3.79L	4/cs.	**9300-1**
18.9L	ea.	**9300-5**
208L	ea.	**9300-55**

Acetone (ACS)

- Meets spectrophotometric grade specifications
- Filtered to 0.2Rm to ensure purity

Description	Qty.	Order Number
3.79L	4/cs.	**9000-1**
18.9L	ea.	**9000-5**
208L	ea.	**9000-55**

Ethyl Alcohol

- Anhydrous formula is denatured with Methanol, MIBK, Ethyl Acetate, and Heptane
- Maximum of 0.1% water
- Maximum residue content of 0.003%

Description	Qty.	Order Number
3.79L	4/cs.	**9200-1**
18.9L	ea.	**9200-5**
208L	ea.	**9200-55**

10% Neutral Buffered Formalin

- Pre-mixed, ready-to-use solution
- Not intended for use as a disinfectant

Description	Qty.	Order Number
3.79L	4/cs.	**9400-1**
18.9L	ea.	**9400-5**
208L	ea.	**9400-55**

Isopropyl Alcohol (ACS)

- 99.5% meets spectrophotometric grade specifications
- Filtered to 0.2µm to ensure purity

Description	Qty.	Order Number
3.79L	4/cs.	**9500-1**
18.9L	ea.	**9500-5**
208L	ea.	**9500-55**

Methyl Alcohol (ACS)

- Anhydrous
- Meets spectrophotometric grade specifications
- Final filtration is 0.2µm

Description	Qty.	Order Number
3.79L	4/cs.	**9600-1**
18.9L	ea.	**9600-5**
208L	ea.	**9600-55**

Xylenes (ACS)

- Reagent grade; offers the end-user a high-quality product

Description	Qty.	Order Number
3.79L	4/cs.	**9900-1**
18.9L	ea.	**9900-5**
208L	ea.	**9900-55**

Thermo Scientific Dry Dyes & Dry Chemicals

Description	Size	CI No.	Order Number
Alcian Blue 8GX	25g	74240	**S6-2**
Alizarin Red S	25g	58005	**S16-2**
Aniline Blue (Water Soluble)	25g	42755	**S23-2**
Biebrich Scarlet	25g	26905	**S52-2**
Celestin Blue	10g	51050	**S75-1**
Chromotrope 2R	25g	16570	**S82-2**
Congo Red	25g	22120	**S87-2**
Cresyl Violet Acetate	5g	-	**S100-0**
Cresyl Violet Acetate	25g	-	**S100-2**
Crystal Ponceau	25g	16250	**S101-2**
Crystal Violet	25g	42555	**S102-2**
Eosin Ethyl	25g	45386	**S114-2**
Eosin (Yellowish Water/ Alcohol Soluble)	100g	45380	**S115-3**
Fast Green FCF	25g	42053	**S142-2**
Field Stain A	25g	-	**S163-2**
Field Stain B	25g	-	**S164-2**
Fuchsin Acid	25g	42685	**S168-2**
Fuchsin Basic (Ziehl-Neelsen)	25g	42510	**S169.5-2**
Giemsa Stain	25g	-	**S172-2**
Gold Chloride (Yellow)	1g	-	**C76**
Haematein	25g	75290	**S176-2**
Haematoxylin	25g	75290	**S178-2**
Haematoxylin	100g	75290	**S178-3**
Light Green	25g	42095	**S194-2**
Lissamine Fast Yellow	25g	18965	**S197-2**
Luxol Fast Blue MBS	25g	-	**S205-2**
Malachite Green	25g	42000	**S208-2**
Martius Yellow	25g	10315	**S210-2**
May Grunwald Stain	25g	-	**S212-2**
Methylene Blue (Chloride)	25g	52015	**S225-5**
Neutral Red	25g	50040	**S254-2**
Nuclear Fast Red	25g	60760	**S265-2**
Oil Red O	25g	26125	**S267-2**
Orange G	25g	16230	**S269-2**
Orcein Synthetic	5g	-	**S271-0**
Ponceau S	25g	27195	**S287-2**
Ponceau de Xylidine	25g	16150	**S289-2**
Safranine O	25g	50240	**S305-2**
Sirius Red F3B	25g	35780	**S309-2**
Toluidine Blue	25g	52040	**S338-2**
Victoria Blue B	25g	44045	**S345-2**

Thermo Scientific Tissue Marking Dyes

This user friendly system permanently marks the margins of excised surgical specimens for exact orientation.

- Special binding pigment evenly coats the tissue without penetrating tissue surface
- Does not interfere with diagnostic interpretation because colours are not similar to standard histopathology dyes
- Easy-to-use and quick-drying which decreases time factor in urgent frozen sectioning
- Available individually or as a kit (includes one bottle each of black, blue, yellow, red, and green; 50 applicator sticks; storage base)

Description	Size	Order Number
Tissue Marking Dye Kit	----	**3120123**
Marking Dyes		
Blue Tissue Marking Dye	59ml	**3120124**
Black Tissue Marking Dye	59ml	**3120125**
Yellow Tissue Marking Dye	59ml	**3120126**
Red Tissue Marking Dye	59ml	**3120127**
Green Tissue Marking Dye	59ml	**3120128**

Thermo Scientific Coverslips

General-Purpose Coverslips

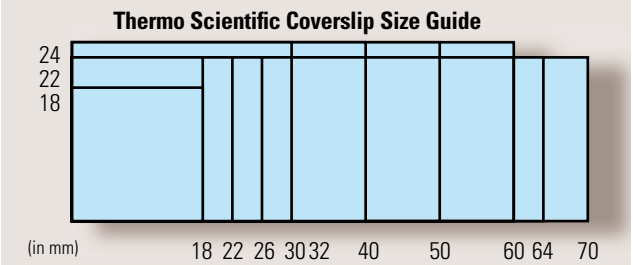
- Highest quality glass
- Free from blisters and flaws
- Cleaned and polished
- Consistent in cut, thickness, and dimensional accuracy

Description	Qty	Order Number
No. 1		
18 x 18mm	1000/pk.	**6776316**
22 x 22mm	5 x 200/pk.	**6776309**
22 x 26mm	1000/pk.	**6776320**
22 x 32mm	10 x 100/pk.	**6776312**
22 x 40mm	10 x 100/pk.	**6776313**
22 x 50mm	1000/pk.	**6776314**
22 x 60mm	1000/pk.	**6776324**
22 x 64mm	1000/pk.	**6776321**
22 x 70mm	10 x 100/pk.	**1001624**
24 x 24mm	1000/pk.	**6776317**
24 x 32mm	10 x 100/pk.	**6776318**
24 x 40mm	10 x 100/pk.	**6776319**
24 x 50mm	10 x 100/pk.	**6776322**
24 x 60mm	10 x 100/pk.	**6776325**
No. 1.5		
22 x 22mm	1000/pk.	**6776301**
22 x 26mm	1000/pk.	**6776311**
22 x 32mm	1000/pk.	**6776301**
22 x 40mm	1000/pk.	**6776304**
22 x 50mm	1000/pk.	**6776315**
24 x 40mm	10 x 100/pk.	**6776306**
24 x 50mm	10 x 100/pk.	**6776307**
24 x 60mm	10 x 100/pk.	**6776308**

Signature Series™

- Uniquely manufactured to eliminate sticking and reduce waste
- Excellent choice for use in automatic coverslippers

Description	Size	Qty.	Order Number
No. 1			
24 x 40mm	1 oz. box	10/cs.	**12440S**
24 x 50mm	1 oz. box	10/cs.	**12450S**
24 x 60mm	1 oz. box	10/cs.	**12460S**



Coverslip Thickness Ranges:

No.1 = 0.13 to 0.17mm
No.1.5 = 0.16 to 0.19mm

Consul® No-Stick Coverslips

These coverslips have been designed not to stick together.

- Ideal for use on the Thermo Scientific Consul Automated Coverslipper

Description	Qty	Order Number
No. 1		
22 x 40mm	10 x 100/pk.	**7411273**
22 x 50mm	10 x 100/pk.	**7411274**
22 x 60mm	10 x 100/pk.	**7411275**
24 x 40mm	10 x 100/pk.	**7411270**
24 x 50mm	10 x 100/pk.	**7411271**
24 x 60mm	10 x 100/pk.	**7411272**
No. 1.5		
22 x 40mm	10 x 100/pk.	**7411279**
22 x 60mm	10 x 100/pk.	**7411281**
24 x 40mm	10 x 100/pk.	**7411276**
24 x 50mm	10 x 100/pk.	**7411277**
24 x 55mm	10 x 100/pk.	**7411282**
24 x 60mm	10 x 100/pk.	**7411278**

Circular Coverslips

Description	Qty.	Order Number
No. 1		
6mm dia.	1000/pk	**A67761327**
12mm dia.	1000/pk	**A67761333**
10mm dia.	1000/pk	**A67761328**

Large Coverslips

Description	Qty.	Order Number
No. 1		
32 x 38mm	100/pk	**A67761331**
35 x 64mm	100/pk	**A67761329**
38 x 50mm	100/pk	**A67761332**
48 x 64mm	100/pk	**A67761330**

Thermo Scientific Coverslipping Forceps

Standard Coverglass Thumb Forceps

- Flat, square tips
- Stainless steel construction

Description	Qty.	Order Number
12.1cm	ea.	**19040**

Kuehne Coverglass Forceps

- Angled tips
- Stainless steel construction

Description	Qty.	Order Number
10.2cm	ea.	**19060**

Watchmakers Forceps

- High quality, brushed stainless steel forceps with smooth arms and very fine points

Description	Qty.	Points	Order Number
Straight; 12cm	ea.	3	**E16/2**
Straight; 11cm	ea.	4	**E16/3**
Straight; 11cm	ea.	5	**E16/4**
Curved; 12cm	ea.	7	**E16/5**

Lens Tissue Booklets

- Booklets of 50 leaves of high quality Whatman tissues

Description	Qty.	Order Number
100 x 75mm	50/bk.	**E19**

Thermo Scientific Coverslipping Mountants

Mountants for every coverslipping application

Shandon-Mount™

A permanent mounting medium for conventional coverslipping.

- Economical, organic, overnight-drying liquid coverslip
- Toluene base
- Refractive index: 1.495 ±0.005 (dry)
- Viscosity: Low (72 to 120 cps at 22°C)

Description	Qty.	Order Number
60ml	ea.	**1900331**
120ml	ea.	**1900333**
500ml	2/cs.	**9990435**

R A Lamb DPX

A rapid drying mounting medium ideal for routine use.

- Refractive index: 1.51 ±0.005 (wet)

Description	Qty.	Order Number
1L bottle	ea.	**LAMB/DPX**

EZ-Mount™

Compatible with membrane filters, this mountant is a permanent and organic mountant.

- Xylene base
- Refractive index: 1.495 ±0.005 (dry)
- Viscosity: High (1280 to 2790 cps at 22°C)

Description	Qty.	Order Number
500ml	2/cs.	**9999120**

Immu-Mount™

An aqueous base for immunostaining and other techniques.

- Non-permanent mountant
- Economical, organic, overnight drying liquid coverslip
- Aqueous base for immunostaining and other techniques
- Non-fluorescing medium with a low viscosity
- Resists fading and polymerises quickly for easier handling of finished slides
- Refractive index: 1.495 ±0.002 (liquid); 1.586 ±0.002 (dry)
- Viscosity: Low (120 to 160 cps at 24°C)
- pH: 8.0 from 8.8 at 21° to 24°C

Description	Qty.	Order Number
20ml	ea.	**9990402**
20ml	6/cs.	**9990412**
1L	ea.	**9990414**

Xylene Substitute Mountant

Formulated specifically for use with Thermo Scientific Shandon Xylene Substitute. A permanent, organic mounting medium.

- Compatible with all routine xylene subsistute clearing agents
- Toluene base
- Refractive index: 1.495 ±0.005 (dry)
- Viscosity: Medium (120 to 265 cps at 24°C)

Description	Qty.	Order Number
60ml	ea.	**1900231**
120ml	ea.	**1900233**
500ml	2/cs.	**9999122**

Synthetic Mountant

A permanent, organic mountant.

- Toluene base
- Refractive index: 1.495 ±0.005 (dry)
- Viscosity: Medium (170 to 200 cps at 22°C)

Description	Qty.	Order Number
500ml	2/cs.	**6769007**

Signature Series Mounting Medium

This mounting medium is miscible with all clearing agents including xylene substitutes.

- Rapid drying
- Toluene base
- Optically clear
- Will not cause fading of stains even after prolonged storage

Description	Qty.	Order Number
118ml	6/cs.	**4112**
470ml	2/cs.	**4111**

ClearVue Mountants

Description	Order Number
ClearVue Mountant, Toluene-based, 2/pk.	**4211**
ClearVue-XYL Mountant, Xylene-based, 2/pk.	**4212**

Consul-Mount™

This permanent, organic mountant has been sesigned specifically for use with the Thermo Scientific Consul coverslipper.

- Histology and Cytology formulations available
- Xylene base
- Refractive index: 1.495 ±0.005 (dry)
- Viscosity: Cytology - Medium/ High (490 to 640 cps at 24°C); Histology - Medium (125 to 200 cps at 24°C)

Description	Qty.	Order Number
Cytology formulation; 500ml	4/cs.	**9990440**
Histology formulation; 500ml	4/cs.	**9990441**

Cytoseal™ 60

A clear, colourless, toluene-based mounting medium formulated from acrylic resins. The addition of antioxidants inhibits fading or yellowing of stained specimens.

- Will not crack or discolour with age
- Cytoseal 60 is a low-viscosity medium that dries quickly and allows for rapid, even spreading which virtually eliminates air bubbles

Description	Qty.	Order Number
Cytoseal 60		
118ml	12/cs.	**8310-4**
473ml	12/cs.	**8310-16**

Cytoseal XYL

This mountant contains an antioxidant to inhibit the fading or yellowing of stained specimens.

- Xylene-based
- Rapid drying allows microscopic examination of slides soon after application

Description	Qty.	Order Number
118ml	12/cs	**8312-4**

Thermo Scientific Cryostat Consumables

Cytocool™ II

Used to "flash freeze" tissue specimens in the cryostat.

- Also used to harden difficult-to-cut tissue on microtome during sectioning
- Does not contain any ozone-depleting chloro-fluorocarbons (CFCs)
- Simply vary finger pressure on the trigger nozzle to control tissue freezing; this feature helps to prevent over-cooling of specimen
- Integral trigger nozzle eliminates need to attach separate handle to each can, making Cytocool II can less bulky and more comfortable to hold during use

Description	Qty.	Order Number
325ml	12/cs.	**8323**

Ice-It

Rapid freezing aerosol for the "flash freezing" of tissue in histology.

- Comfortable trigger nozzle makes dispensing easy to control; can be used with or without a capillary nozzle
- Does not contribute to ozone depletion
- Helps maintain moisture in blocks

Description	Qty.	Order Number
325ml	12/cs.	**8325**

Neg-50™ Frozen Section Medium

Water-soluble frozen section medium yeilds high-quality sections even down to -50°C without chatter

- Leaves no residue after staining
- Compatible with the Microm Automatic Cryo-Approach (ACA) system

Ordering Information

Available in five colours for easy identification of specimens: pink, blue, green, yellow and orange. Multi packs contain one of each colour.

Description	Qty.	Order Number
Colourless Neg-50, 118ml	2/cs	**6502**
Blue Neg-50, 118ml	2/cs	**6502B**
Green Neg-50, 118ml	2/cs	**6502G**
Orange Neg-50, 118ml	2/cs	**6502O**
Pink Neg-50, 118ml	2/cs	**6502P**
Yellow Neg-50m, 118ml	2/cs	**6502Y**
Colourless Neg-50, 118ml	6/cs	**6506**
Neg-50 Multi-Pack	6/cs	**6506M**

Mark-It™ Tissue Marking Dyes

Provide an efficient means of tissue margin identification. User-friendly system uses permanent dyes that maintain their original brilliance throughout the entire routine tissue processing cycle; can be used on all fresh or formalin-fixed tissues.

Various uses for this system include:

- Marking surgical margins
- Identifying serial segments of large tissues to ensure proper orientation and embedding
- Maintaining proper tissue orientation for Moh's surgery specimens
- Identifying multiple pieces of tissues processed in the same cassette

Includes

Kit includes one base, one of each of the six colour dyes and applicator sticks.

Description	Qty.	Order Number
Kit	ea.	**5000**
Black dye, 59ml	ea.	**5000BK**
Blue dye, 59ml	ea.	**5000BL**
Green dye, 59ml	ea.	**5000G**
Orange dye, 59ml	ea.	**5000O**
Red dye, 59ml	ea.	**5000R**
Yellow dye, 59ml	ea.	**5000Y**
Applicator Sticks	864	**5001**

Frozen Section Staining Kit

Ideal for laboratories that process a limited number of slides. Works well for staining tissue mounted on coverglass.

- Sturdy cover with piano hinge seals beakers to minimise evaporation
- Rubber feet on rack protect table surface
- Glass beakers have a capacity of 200ml and are 10cm tall
- Slide holder will hold ten 76 x 26mm slides
- Stainless steel support rack measures 21.6 x 48.3 x 22.6mm

Includes

Kit includes 12 beakers, a stainless steel slide holder and a heavy-gauge stainless steel support rack with six round openings to hold beakers.

Description	Qty.	Order Number
Frozen section staining kit	ea.	**145**
Glass beakers only	12/pk.	**146**
Slide holder only	ea.	**147**
Stainless steel support rack only	ea.	**23145**

Cryomatrix™

Outstanding embedding resin used to support tissue for frozen sectioning.

- Forms a firm bond with the specimen holder that secures and supports tissue
- Removed during staining
- Freezes quickly, sections smoothly and dissolves in water without residue

Description	Qty.	Order Number
120ml	4/pk.	**6769006**

M-1 Embedding Matrix

Water soluble, clear embedding mix.

- Particularly effective on specimens with high water content such as eyes and CNS
- Optimum sectioning temperature of -12°C to -13°C

Description	Qty.	Order Number
180ml	ea.	**1310**

Cryochrome™

Outstanding embedding resin used to support tissue for frozen sectioning.

- Colour codes frozen sections for easy identification and tracking
- Four colours available; pink, blue, yellow, green
- Formulated with physical characteristics identical to Cryomatrix

Description	Qty.	Order Number
Cryochrome Blue, 120ml	4/pk.	**9990422**
Cryochrome Yellow, 120ml	4/pk.	**9990423**
Cryochrome Green, 120ml	4/pk.	**9990428**
Cryochrome Pink, 120ml	4/pk.	**9990429**
Cryochrome sampler (one of each colour), 120ml	4/pk.	**9990426**

Thermo Scientific Cytospin® 4 Cytocentrifuge

The ultimate thin-layer cell preparation system

Synonymous with cytocentrifugation for over 40 years, this reliable instrument is used in more than 16,000 laboratories worldwide. It provides economical thin layer preparations from any liquid matrix, especially hypocellular fluids such as spinal fluids and urines.

- Process 12 specimens at one time
- Accepts all protocols from Cytospin 1, 2 and 3
- Redesigned lid release mechanism allows for one-handed opening and closing
- Only operates when the lid is locked into position and lid remains locked during rotation
- Polycarbonate window allows the operator to see the sealed head during cytocentrifugation
- Accidental fluid spillage will not damage the mechanical or electronic components
- Designed for easy disinfecting
- Meets stringent IEC 61010 standards for centrifuge safety
- Pull-out program card allows for up to nine programs to be logged for fast and convenient retrieval

Safe and Reliable

- Protects the operator before, during, and after sample preparation. Allows user to load the sealed head in a microbiological cabinet for ultimate safety
- Auto-locking, plastic outer lid
- Autoclavable sealed head
- Disposable sample chambers with caps
- Safety alarms that protect users and specimens
- Wipe-clean control panel

Simple Principle for Excellent Presentation

- Using centrifugal principles, the cytocentrifuge deposits cells onto a clearly defined area of a glass slide and allows for the absorption of the residual fluid into the sample chamber's filter card
- Cytocentrifugation also constructively flattens cells for excellent nuclear presentation
- During operation, the instrument's spinning action tilts Thermo Scientific Cytofunnels® upright and centrifuges cells onto the deposition area of the slide, giving all cell types equal opportunity for presentation
- In the Load or Stop position, this unique tilting feature reduces cell loss by preventing residual fluid from coming into contact with the prepared slide

Simple and Precise Controls

- Protected program memory stores up to 23 routines for instant recall and protects from power loss
- Program keypad has "easy-touch" design that allows for easier key strokes and more intuitive programming
- Speed window displays the programmed spinning speeds from 200 to 2000rpm
- Three acceleration control buttons allow the operator excellent flexibility and exceptional protection for fragile samples
- Time window displays the programmed and remaining run time from 1 to 99 min
- Control feature has a standby power saving mode; displays are also turned on and off by the standby key
- Safety alarms include an audible alarm when the cytocentrifuge is out of balance, outside the speed tolerance or if the lid is not properly locked
- Unit will not spin if the lid is not locked
- Specimen safety alarm feature reminds users at one-minute intervals to remove specimens, protect them from "air-drying" and ensure consistent results

Physical Specifications

Dimensions (H x W x D):

With closed lid: 24 x 40.5 x 62cm

With opened lid: 62.5 x 40.5 x 62cm

Weight:12kg

Power Requirements: 100-240 VAC, 50/60Hz, 1Ph, 150VA Max.

Includes

Sealed head/rotor, marking pen, operator guide, service record book and standard workflow diagram.

Starter Kits
Thermo Scientific EZ Funnel Starter Kit includes:

25 EZ Megafunnels, 20 EZ Single White Cytofunnels, 20 EZ Double Cytofunnels and Cytoslides®

Thermo Scientific Clipped Funnel Starter Kit includes:

50 Single White Cytofunnels, 25 Double Cytofunnels, Cytoslides, and 12 Cytoclips®

Certifications and Compliance

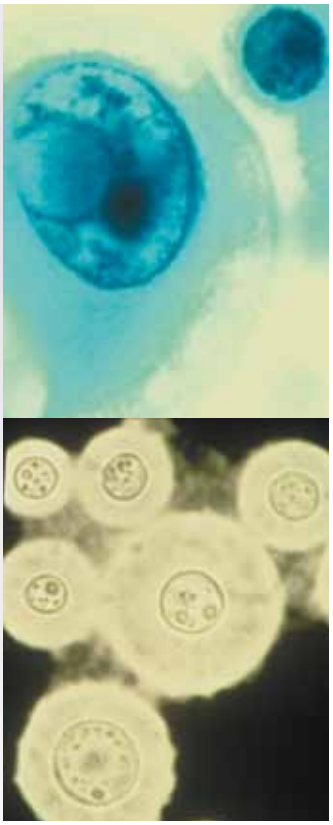
IEC 61010, CSA, UL and CE Mark (IVDD compliant)

Description	Order Number
Cytospin 4 unit only	**A78300002**
EZ Funnel Starter Kit	**A78710013**
Clipped Funnel Starter Kit	**3120110**

Accessories	Qty.	Order Number
Additional sealed head	ea.	**59910018**
Sealed head seals	3/pk.	**59910019**
Service manual	ea.	**A78310251**

Thermo Scientific Cytospin® 4 Applications

Disciplines that use the Cytospin 4



Cytology

- Still the gold standard for non-gynaecological cytology, especially hypocellular fluids
- Many types of collection fluids and funnel options available
- Offers quality presentation at a fraction of the cost of other “thin layer” technologies
- Prepares both “air-dried” and “fixed” specimens
- Can be used for LBC applications

Microbiology

- Micro-organisms are often present in low numbers from limited sample volumes-cytocentrifugation effectively spins the micro-organisms onto the slide, maximising the yield and presenting those organisms in a clean, defined area, allowing for straightforward morphological identification
- Only a small sample volume is needed so multiple samples may be run for a variety of special staining and support testing
- It also concentrates samples for Gram stains

Haematology/Oncology

- Easy to achieve a constant cell/unit volume
- Excellent for all fluids, bone marrow and peripheral blood
- Even with a cell count of “zero,” the Cytospin often locates the few cells in the fluid that the counter missed

Virology

- There are many published technical papers using the Cytospin for the rapid detection of respiratory viruses, CMV detection, ISH, FISH, etc.

Research/General Use

- The most cost-effective, time-effective way to make quality thin-layer cell presentations
- Excellent for molecular studies, specialised staining applications and EM
- Used in veterinary, dental and chemosensitivity protocols

Thermo Scientific EZ Cytofunnel® Sample Chambers

Clipless funnels for easier preparations

General EZ Cytofunnel® Features

- For single use with all Thermo Scientific Cytospin® Cytocentrifuge applications
- Optimise cell yield
- Reduce the risk of exposure to pathogenic samples
- Disposable to eliminate time-consuming decontamination and cleaning
- Decrease the possibility of cross-contamination
- Eliminate the need for metal Thermo Scientific Cytoclips®
- Produce more cost-effective, thin layer preparations when compared with other thin layer methods

Includes

Closure caps and easy-to-use operational illustrations

EZ Single Cytofunnel® with White Filter Cards

- Disposable sample chamber with white filter card and cap
- Use for sample volumes up to 0.5ml
- Cell deposition area of 6mm in diameter (28mm²)
- Pre-attached white filter card for high absorbency

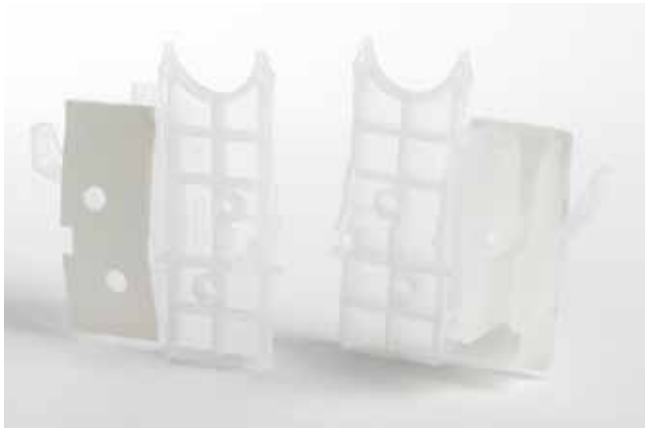
Qty.	Order Number
40/box	**A78710003**
200/pk.	**A78710020**

EZ Single Cytofunnel® with Brown Filter Cards

- Disposable sample chamber with brown filter card and cap
- Use for sample volumes of 0.4ml or less
- Cell deposition area of 6mm in diameter (28mm²)
- Pre-attached brown filter card for slower absorbency
- Excellent for scanty specimens such as CSF

Qty.	Order Number
40/box	**A78710004**

EZ Double Cytofunnel®



- Disposable sample chamber with white filter card and cap
- Allows two sample deposition areas on a single slide
- Double the number of sample presentations per run
- Funnel markings correspond to slide markings for simple identification
- Pre-attached filter card
- Ideal for use with immunochemistry techniques

Qty.	Order Number
40/box	**A78710005**
200/cs.	**A78710021**

EZ Megafunnel™ with Cap and Slide

- Designed for convenient preparation of larger volume samples
- Cytofunnel designed for spinning large samples up to 6ml
- Minimises the need to pre-centrifuge
- Cell deposition area of 22 x 14.75mm (325mm²) for increased cell yield
- Prepares both air-dried and fixed preparations, providing additional valuable diagnostic information
- The EZ Megafunnel can be loaded outside the Centrifuge. It can stand on the table without an EZ Cytofunnel Bench stand

Includes:

Thermo Scientific Megafunnel Cytoslides®

Qty.	Order Number
25/box	**A78710001**

EZ Single Cytofunnel® Bench Stand

- Convenient for loading samples outside of the Cytospin chamber
- Stainless steel construction
- Holds 12 EZ Cytofunnels

Qty.	Order Number
ea.	**A78710022**

Thermo Scientific Original Cytofunnels®

The original is still the most trusted clipped funnel available today

- Fits snugly against a specially marked Cytoslide
- Held in place with a Thermo Scientific Cytoclip
- Twelve assemblies fit into the Cytospin head
- Cytoclips easily unlock to dispose of the sample chamber and to remove the slide

Single Cytofunnel with White Filter Card

- Disposable sample chamber with white filter card and cap
- Use for sample volumes up to 0.5ml
- Pre-attached filter card

Qty.	Order Number
50/box	**5991040**
500/cs.	**1102548**

Single Cytofunnel® with Brown Filter Card

- Disposable sample chamber with brown filter card and cap
- Use for sample volumes of 0.4ml or less
- Pre-attached filter card
- Excellent for scanty specimens such as CSF
- Increases cell yield

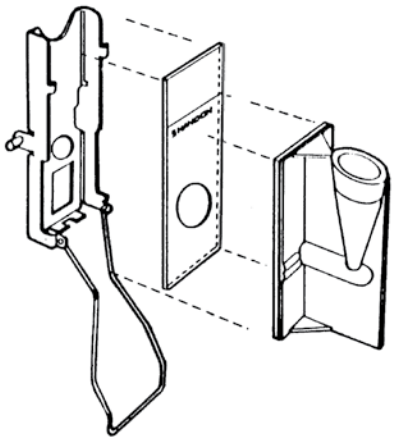
Qty.	Order Number
50/box	**5991043**

Double Cytofunnel®

- Disposable sample chamber with white filter card and cap
- Reduces preparation time
- Funnel markings correspond to slide markings for simple identification
- Pre-attached filter card
- Ideal for use with immunochemistry techniques

Qty.	Order Number
25/box	**5991039**
500/cs.	**1102547**

How the Cytofunnel® Works



- The Cytofunnel fits snugly against a specially marked Thermo Scientific Cytoslide® and is held in place by a Cytoclip®. Twelve Cytoclip assemblies fit into the Cytospin® head
- After cytocentrifugation, the Cytoclip easily unlocks to dispose of the sample chamber and to remove the slide

Cytoclip® Stainless Steel Slide Clip

- Holds Cytofunnel disposable sample chamber against the microscope slide
- For preparation in the Thermo Scientific Cytospin® Cytocentrifuge
- Autoclavable and reusable

Qty.	Order Number
6/box	**59910052**

TPX Single Sample Chamber, Caps and Filter Cards

TPX Single Sample Chamber

- Reusable
- Autoclavable
- Use with disposable white filter cards for sample volumes up to 0.5ml
- Use with disposable brown filter cards for sample volumes of 0.4ml or less

Filter cards

- Highly absorbent disposable filter cards for use with TPX chamber
- Not for use with Cytofunnel disposable sample chambers
- Use white filter cards for samples up to 0.5ml
- Use brown filter cards for samples of 0.4ml or less

Description	Qty.	Order Number
TPX Sample Chamber	12/cs.	**A78710018**
Closure caps	12/cs.	**59910025**
Brown filter cards	200/box	**5991023**
White filter cards	200/box	**5991022**

Thermo Scientific Cytoslides®

- Microscope slides made specifically for cytology applications
- Specimen area is outlined for rapid location during screening
- All slides are 75 x 25mm
- Made from high-quality optical glass
- Coated slides
- Eliminate the need for albumin coating procedures
- Save labour and resource time
- Eliminate background staining on albuminised, IHC, or ISH processed slides

Single Cytoslides*

- For use with Thermo Scientific EZ Single Cytofunnel®
- White, 12mm dia. circle defines the cell display area to allow for efficient and rapid location
- Uncoated slides available with circle on front or back
- Sold in boxes of 100 slides

Description	Order Number
Coated circle, back	**5991056**
Non-coated circle, back	**5991051**
Non-coated circle, front	**5991059**

Double Cytoslides*

- For use with Thermo Scientific EZ Double Cytofunnel® Chambers
- Each specimen is displayed within a circle marked as 1 or 2
- Number circles correspond with the Cytofunnel chamber
- Sold in boxes of 100 slides

Description	Order Number
Coated	**5991055**
Non-coated	**5991054**

Mask Cytoslides*

- For immunofluorescence
- Black coating masks out UV light to restrict microscope viewing to the specimen
- Sold in boxes of 100 slides

Description	Order Number
Single circle, black mask	**5991057**
Double circle, blue mask	**B5991050**

** Indicates that slides are compatible with SlideMate*

Thermo Scientific Staining and Fixation Fluids

Signature Series Cyto-Stain®

- Uniquely formulated cytoplasmic stain produces results similar to conventional Papanicolaou stains
- Use for all gynaecological and non-gynaecological procedures
- Reduces staining time
- Cost-effective because user performs only one counterstain, not two
- Cyto-Stain provides a full range of familiar cytoplasmic colours and allows the user control over the staining intensities
- Cyto-Stain G is a modification to produce greener cyanophilic hues in intermediate and basal cells

Description	Qty.	Order Number
Cyto-Stain		
0.47L	4/cs.	**7511**
3.79L	ea.	**7501R**
Cyto-Stain G		
3.79L	ea.	**7501G**

Papanicolaou Stain OGs

- OG-6 stains the keratinized areas of the cell
- Modified OG is a Gill modification that minimises precipitation and reduces staining time
- Use OG-6 with EA-36 or EA-50 when staining gynaecological specimens
- Use modified OG with EA-65 for staining non-gynaecological specimens

Description	Qty.	Order Number
OG-6		
3.79L	ea.	**75211**
Modified OG		
3.79L	ea.	**75311**

Papanicolaou Stain EAs

- Provide brilliant cytoplasmic staining for gynaecological and non-gynaecological specimens
- Different formulations offer the user control of the colour intensities and hues
- EA-36 and EA-50 are used in conjunction with OG-6 for gynaecological staining
- EA-65 is used with OG-6 for non-gynaecological staining
- Modified EA is a Gill modification that minimises precipitation, reduces staining time, and does not contain Bismarck Brown

Description	Qty.	Order Number
EA-36		
3.79L	ea.	**75411**
EA-50		
0.47L	4/cs.	**75504**
3.79L	ea.	**75511**
EA-65		
0.47L	4/cs.	**75604**
3.79L	ea.	**75611**
Modified EA		
0.47L	4/cs.	**75704**
3.79L	ea.	**75711**

Fix-Rite® 2

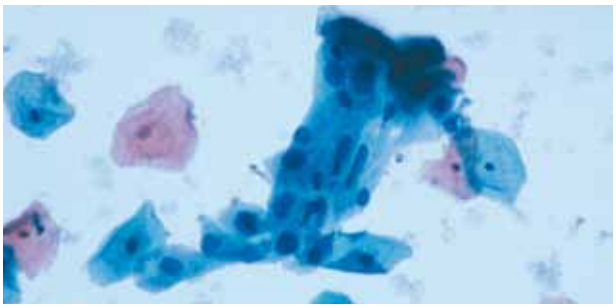
- Spray fixative used for routine cytological preparations
- Coating protects cells when mailing or transporting slides to the laboratory
- Packaged in 4 oz. containers to allow the user complete control during application gynaecological staining

Description	Qty.	Order Number
Pump spray bottle	12/cs.	**76150**

Thermo Scientific Cytology Stains

Biological Stain Commission-certified dyes

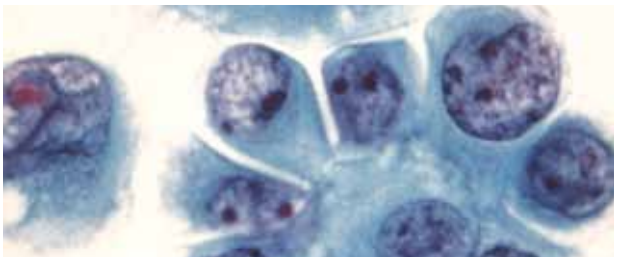
EA-50 Stain



- Polychromatic cytoplasmic stain
- Clearly differentiates cellular components with pink, green and blue-green hues

Size	Qty.	Order Number
1L	2/cs.	**6766001**
4L	ea.	**6766002**

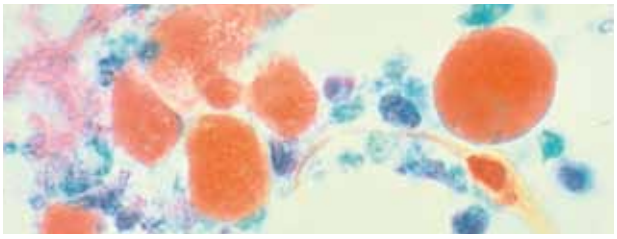
EA-65 Stain



- Polychromatic cytoplasmic stain
- Lower concentration of light green improves expression of eosin stained components
- Ideal for thicker non-gynaecological preparations

Size	Qty.	Order Number
1L	2/cs.	**6766003**
4L	ea.	**6766004**

OG-6 Stain



- Demonstrates keratin in cytoplasm

Size	Qty.	Order Number
1L	2/cs.	**6766005**
4L	ea.	**6766006**

Thermo Scientific Cytology Consumables

Quality consumables for the best results

Cytospin® Collection Fluid

- Ready-to-use alcohol/ Carbowax® (PEG) combination for direct specimen collection and fixation
- Permits storage of specimens or unstained slides for weeks without adverse effect
- Packaged in convenient pump bottle or pre-filled specimen cups

Description	Qty.	Order Number
Pump Bottle		
3.79L	ea.	**6768001**
Bottle		
500ml	2/cs.	**6768315**
10L	2/cs.	**9990310**
Cups		
120ml, filled to 60ml	125/cs.	**9990323**

CytoRich® Red Collection Fluid

- Ready-to-use, alcohol-based fluid
- Lyses RBCs and solubilises proteins
- Compatible with immunohistochemistry
- Pre-filled containers available

Size	Qty.	Order Number
Bottle		
3.79L	ea.	**B9990800**
500ml	2/cs.	**B9990801**
Cups		
20ml, filled to 10ml	180/cs.	**B9990802**
120ml, filled to 60ml	125/cs.	**B9990803**

Cell-Fixx™ Spray Fixative

- Spray fixative for convenient preparation of slides
- Includes Carbowax®, which coats the smear to maintain cellular detail
- Prevents air dying artefact and cell loss

Size	Qty.	Order Number
50ml	6/cs.	**6768326**

Mucolexx®

- Ready-to-use mucoliquefying preservative
- Liquefies (with agitation) mucoid cytology specimens
- Maintains cellular detail
- Short-term preservation of specimens

Description	Qty.	Order Number
Bottle		
500ml	4/cs.	**9990370**
3.79L	ea.	**9990371**
Cups		
120ml, filled to 60ml	50/cs.	**9990375**

Thermo Scientific Cell Preparation Systems

Cell preparation system designed for cytology applications

Octospot™ Starter Packs

- Cytocentrifuge cells from 8-well microlitre strips directly onto a microscope slide (96 spots per spin); turn eight slides into one
- Incorporates an 8-well strip, an 8-well slide, a holding block, and a filter card assembled in a standard Thermo Scientific Cytoclip™
- Solvent-resistant slides retain separate reagents in individual wells to prevent cross-contamination

Description	Order Number
With EZ-Write slides	**1001622**
With solvent-resistant slides	**1001623**

Accessories	Qty.	Order Number
Thick filter cards	100/pk.	**1001641**
Thin filter cards	200/pk.	**1001649**
8-well strips	5/cs.	**1001643**
8-well strips, loose	60/bag	**1001642**
Solvent-resistant slides, 8 spots	100/box	**1001645**
EZ-Write slides, 8 spots	100/box	**1001646**
Coverslips (pk.), 22 x 70mm, 1.0mm thick	10/cs.	**1001624**
Holding block	ea.	**1001644**
Slide rack lids	50/pk.	**1001647**

Cytoblock® Cell Block Preparation System

- Facilitates processing of FNAs, tissue fragments and cell buttons quickly and reliably
- Increases ability to process scanty or unseen material for cell block and reduces loss of critical material
- Suitable for immunohistochemical techniques
- Replaces time-consuming, costly agar and thrombin techniques
- Requires phosphate-free fixative on processor, such as Thermo Scientific fixatives Zinc Formal-Fixx™, Formal-Fixx™ or Glyo-Fixx™ (formalin substitute); or simply bypass formalin fixation steps on processor
- Cytoblock can also be run on a rapid biopsy program

Description	Order Number
For 50 specimens	**7401150**
Replacement reagents, 11ml ea.	**7401151**

PapSpin Gynaecological Test

For ease, efficiency and the pure economics of Pap test methodology

Liquid based cytology system provides greater accuracy, ease of use and better results every time. Compatible with the Thermo Scientific Cytospin® 4 Cytocentrifuge.

- For 100 tests
- Traditional cervical cell collection with broom device
- Tip deposited in collection vial containing preservative fluid
- 100% of collected cells are transferred to vial
- Uniform cell distribution in a thin layer
- Air drying eliminated
- Obscuring factors significantly reduced or eliminated
- Batch processing - 12 samples per run
- Random cell sample is deposited by cytocentrifugation onto glass slide using an EZ Megafunnel cell transfer chamber
- Results in a clearly defined 22 x 14.75mm screening area with uniform distribution
- Slides are stained with the traditional Papanicolaou method

Includes

Four PapSpin Specimen Collection Kits (containing 25 vials with fluid, 25 specimen collection brushes and specimen identification labels) and four Specimen Processing Kits (containing 25 EZ Megafunnels with caps and 25 slides).

Description	Qty.	Order Number
PapSpin Gynaelogical Test	100/pk.	**A78710006**
Collection Fluid	125ml	**6768351**
Collection Fluid	500ml x 2	**6768350**

Sales are subject to the regulations governing the importation and application of this device as set forth by the country in which the customer resides.

Thermo Scientific Gross-Star™ Pathology Workstation

Organised workstation for the gross examination and sectioning of specimens

Superior Functionality

- Downdraft and/or backdraft ventilation
- Units with elevating or fixed-height work surface are available
- Elevating units have user-adjustable work surface height of 84 to 104cm
- Fixed-height units have a work surface that is factory set to your specification from 84 to 104cm
- Deep sink with cold/hot water tap (removable for easy cleaning)
- ½hp or ¾ hp disposals are available (please check with local authorities before ordering a unit with a disposal; some areas prohibit the use of disposals)
- Optional hands-free foot pedal controls cold/hot water tap, optional dictation system and optional formalin dispensing system
- Abundant light is directed to the work surface
- Vacuum breaker-protected water supply
- Appliances plug directly into the unit for convenient use
- Two optional tape recording units available
- Ventilated base cabinet
- Fume removal is efficient and quiet
- Optional camera and monitor/keyboard brackets are available
- Camera bracket slides along the width of the unit
- Monitor bracket is designed to hold a thin flat-screen display monitor
- Each unit comes with an integral centimetre ruler on the front lip of the table top
- Built-in manifold rinse washes down wetted internal surfaces quickly
- Perforated grid plates on work surface (removable for easy cleaning)

Superior Quality

- Standard Type 304 or optional Type 316 stainless steel construction
- Rugged design provides stability and is built tough to withstand years of extensive work without corrosion
- Perforated grid plates are standard type 316 stainless steel construction

Designed for Easy Delivery and Installation

110-120V units

Draw 20 amps and require a separate 15 amp circuit for one hospital-grade duplex earthing fault current interrupter receptacle

220-240V units

Draw 20 amps, including up to 7 amps by one IEC 320 point-of-use receptacle, with facility-supplied residual current device (RCD) protection required

Physical Specifications

Overall Dimensions (H x W x D): 213 to 233 x 152 x 76cm

Work Surface Height (specified by customer): 84 to 104cm

Sink (W x L x D): 36 x 41 x 19cm

Top Piece Weight: Uncrated - 125kg; Crated - 170kg

Bottom Piece Weight: Uncrated - 182kg; Crated - 227kg

Plumbing specifications

- 19mm hot and cold water supply lines with shut off valves and 38mm drain line must be supplied
- 13mm industrial-grade flexible hoses with 19mm female hose fittings are supplied for connection to water supply lines
- 38mm I.D. reinforced flexible hose is provided for connection to facility drain line

Certifications and Compliance

UL/cUL (110-120V only); CE (220-240V only); CSA NRTL/C (pending)

Includes†

Fixed-height work surface (specify height within range of 84 to 104cm), remote exhaust, downdraft ventilation, ventilated base cabinet, removable sink, cold/hot water tap with manual controls, manifold rinse with manual control, hand spray, electrical receptacle, centimetre ruler on front lip of table top, adjustable lower shelf (W x D): 41 x 20cm, fixed upper shelf, fluorescent light, type 304 stainless steel construction and integrated glove dispenser.

† Contents, packaging and quantities of inclusions are subject to change without prior notice.

Description	Order Number
110-120V, 60Hz, 1Ph	
Right Hand	**9800000**
Left Hand	**9800001**
220-240V, 50/60Hz, 1Ph	
Right Hand	**9800004**
Left Hand	**9800005**

Factory Installed Options

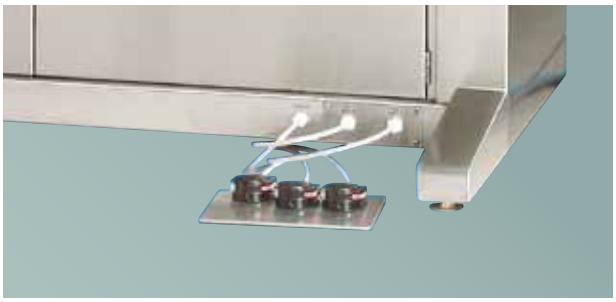
- Integrated dictation systems include a proximity microphone and foot pedal controls
- Waste formalin collection systems with alarms feature both audible and visual alarms

Description
Disposal, ½hp
Disposal, ¾hp (not rated for continuous use)
Backdraft and downdraft fume capture system
Backdraft fume capture system (no downdraft)
Elevating work surface height
Exhaust system, external
Exhaust system, re-circulating
Foot pedal controls for cold/hot water tap
Formalin dispensing system with foot-pedal controls
Hood assembly
Integrated dictation system with microcassette recorder
Integrated dictation system with standard cassette recorder
Task lamp (specify left or right side)
Type 316 stainless steel construction
Waste formalin collection system
Waste formalin collection system with high-level alarms
Waste formalin collection system with high and low level alarms and fresh formalin dispensing system with foot pedal controls

Accessories

- Replacement filter set includes two potassium permanganate filters and two fine particle filters
- Stand-alone dictation systems include a hand held microphone and power supply
- Towel bar for rolled towels requires towel dispenser (1070214)

Description	Order Number
Adjustable shelf, (W x D) 41 x 20cm	B21203
Camera bracket	B21125
Camera bracket adapter for use with hood assembly	B21126
Fresh formalin dispensing carboy	B12036
Magnetic instrument bar (tools not included)	104393
Magnifier for task lamp	B21200
Movable dictation recorder rack	B21202
Movable requisition rack	105417
Photographic blue polyethylene dissecting board	B36115
Formaldehyde-neutralising (potassium permanganate) filters/fine particle filter packs	9990850
Shelf for Thermo Scientific PrintMate	B21215
Splash shield on flexible arm (requires drilling for installation)	B1003279
Stand-alone dictation system with microcassette recorder	C1003447
Stand-alone dictation system with standard cassette recorder	C1003446
Thin monitor/keyboard bracket	B21110
Towel bar for rolled towels (must have Towel Dispenser 1070214)	104268
Towel dispenser for C-fold towels	1070214
Ventilated waste bin (specify left or right side)	B21115



Optional hands-free foot pedal controls cold/hot water tap and optional formalin dispensing system

Optional monitor/keyboard brackets

Optional dictation system

Sink, tap, hand spray and manual manifold rinse control valve

Optional formalin disposal cup sink and optional formalin dispensing system tap

Optional camera bracket and optional instrument bar

Choosing the Exhaust System to Fit Your Lab

Re-circulating

For existing labs or labs without facility exhaust, it may be necessary to filter and re-circulate the air. Specify a unit with integral blowers and filters.

External exhaust

For distances that do not exceed 6.1m, you may choose a unit with integral blower and optional filters that may be connected to your facility's exhaust duct for venting.

Remote exhaust

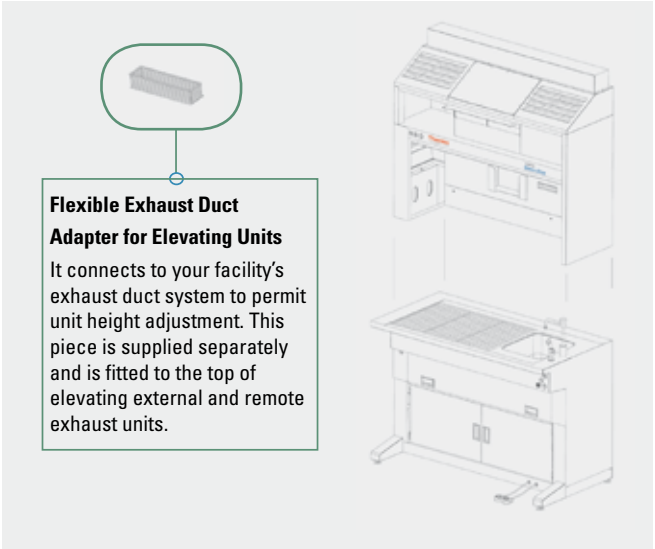
If your facility can supply an exhaust duct and remote blower system that provides an airflow of 0.260 to 0.283m³/s, a ducted unit will best suit your needs. (Facility duct and remote blower by others; no filters.)

Validated Exhaust Efficiencies

Re-circulating	External‡	Remote
	N/A	Recommended Exhaust Airflow Volume 0.260 - 0.283m³/s.
N/A	N/A	Pressure Loss through Unit with Downdraft 0.17 - 0.20mb
N/A	N/A	Pressure Loss through Unit with Backdraft 0.47 - 0.57mb
Average Capture Velocity with Downdraft at 7.5cm above work surface:		
0.152 - 0.168m/s	0.279 - 0.300m/s	0.371 - 0.406m/s
Average Capture Velocity with Backdraft at back of work surface:		
0.406 - 0.427m/s	0.635 - 0.676m/s	0.798 - 0.874m/s
Average Capture Velocity with Optional Backdraft at front of work surface:		
0.203 - 0.224m/s	0.229 - 0.259m/s	0.305 - 0.335m/s
Average Face Velocity with Optional Hood Assembly:		
0.254 - 0.305m/s	0.432 - 0.483m/s	0.584 - 0.635m/s

‡ Data represents units without filters. With filters, external exhaust capture and face velocities are similar to re-circulating data.

Re-circulating	Use of filters is required.
External Exhaust	Use filters if required for application.
Remote exhaust	No filters are required.



Flexible Exhaust Duct Adapter for Elevating Units

It connects to your facility's exhaust duct system to permit unit height adjustment. This piece is supplied separately and is fitted to the top of elevating external and remote exhaust units.

Thermo Scientific Gross-Star™ Pathology Work Bench

For the gross examination and sectioning of specimens

Superior Functionality

- Downdraft and/or backdraft ventilation
- Units with elevating or fixed-height work surface are available
- Elevating units have user-adjustable work surface height of 84 to 104cm
- Fixed-height units have a work surface that is factory set to your specification from 84 to 104cm
- Deep sink with cold/hot water tap (removable for easy cleaning)
- ½hp or ¾hp disposals are available (please check with local authorities before ordering a unit with a disposal; some areas prohibit the use of disposals)
- Optional hands-free foot pedal controls cold/hot water tap and optional formalin dispensing system
- Vacuum breaker-protected water supply
- Appliances plug directly into the unit for convenient use
- Ventilated base cabinet
- Fume removal is efficient and quiet
- Each unit comes with an integral centimetre ruler on the front lip of the tabletop
- Built-in manifold rinse washes down wetted internal surfaces quickly
- Perforated grid plates on work surface (removable for easy cleaning)

Superior Quality

- Standard Type 304 or optional Type 316 stainless steel construction
- Rugged design provides stability and is built tough to withstand years of extensive work without corrosion
- Perforated grid plates are standard Type 316 stainless steel construction

Designed for Quick and Easy Installation

- Work bench is supplied through a standard 81cm doorway
- Connects directly to facility cold/hot water supplies and drains
- Units are hardwired to facility electrical system
- Workbench ships in one convenient assembly

Recommended Depth from Front of Unit to Wall

- For the purpose of room planning, backs of fixed-height units can be flush to walls
- Elevating units require approximately 2.5cm clearance between the back of the unit and wall to accommodate height adjustment

110-120V units

Use 20 amps and require a separate 15 amp circuit for one hospital-grade duplex earthing fault current interrupter receptacle

220-240V units

Draw 20 amps, including up to 7 amps by one IEC 320 point-of-use receptacle, with facility-supplied residual current device (RCD) protection required

Physical Specifications

Overall Dimensions (H x W x D): 114 to 135 x 152 x 76cm

Work Surface Height (specified by customer): 84 to 104cm

Sink (W x L x D): 36 x 41 x 19cm

Weight: Uncrated - 193kg; Crated - 250kg

Plumbing Specifications

- 19mm hot and cold water supply lines with shut-off valves and 38mm drain line must be supplied
- 13mm industrial-grade flexible hoses with 19mm female hose fittings are supplied for connection to water supply lines
- 38mm I.D. reinforced flexible hose is provided for connection to facility drain line

Includes†

Fixed height work surface; height to be specified by customer with range of 84 to 104cm, remote exhaust, downdraft ventilation, ventilated base cabinet, removable sink, cold/hot water tap with manual control, manifold rinse with manual control, hand spray, electrical receptacle, centimetre ruler on front lip of tabletop, type 304 stainless steel construction

† Contents, packaging, and quantities of inclusions are subject to change without notice.

Certifications and Compliance

UL/cUL (110-120V only); CE (220-240V only); CSA NRTL/Cfor cold/hot water faucet (pending)

Description	Order Number
110-120V, 60Hz, 1Ph	
Right Hand	**9800002**
Left Hand	**9800003**
220-240V, 50/60Hz, 1Ph	
Right Hand	**9800006**
Left Hand	**9800007**

Accessories	Order Number
Magnetic instrument bar (tools not included)	**104393**
Magnifier for task lamp	**B21200**
Movable dictation recorder rack	**B21202**
Movable requisition rack	**105417**
Photographic blue polyethylene dissecting board	**B36115**
Shelf for Thermo Scientific PrintMate	**B21211**
Splash shield on flexible arm (requires drilling for installation)	**B1003279**
Stand-alone dictation system with standard cassette recorder	**C1003447**
Stand-alone dictation system with microcassette recorder	**C1003446**
Ventilated waste bin (specify left or right side)	**B21115**

Factory Installed options

Waste formalin collection systems with alarms feature both audible and visual alarms

Description
Disposal, ½hp
Disposal, ¾hp (not rated for continuous use)
Backdraft and downdraft fume capture system
Backdraft fume capture system (no downdraft)
Elevating work surface height
Foot pedal controls for cold/hot water tap
Formalin dispensing system with foot pedal controls
Task lamp (specify left or right side)
Type 316 stainless steel construction
Waste formalin collection system
Waste formalin collection system with high-level alarms
Waste formalin collection system with high and low level alarms and fresh formalin dispensing system with foot pedal controls

Remote Exhaust

If your facility can supply an exhaust duct and remote blower system that provides an airflow of 0.260 to 0.283m³/s, a ducted unit will best suit your needs. (Facility duct and remote blower by others; no filters.)

Validated Exhaust Efficiencies

Remote exhaust
Recommended Exhaust Airflow Volume: 0.260 – 0.283m³/s
Pressure loss through unit with standard downdraft: 0.37 – 0.45mb
Pressure loss through unit with optional backdraft: 0.67 – 0.82mb
Average Capture Velocity with Downdraft at 7.cm above work surface:
0.366 – 0.396m³/s
Average Capture Velocity with Backdraft at back of work surface:
0.792 – 0.864m³/s
Average Capture Velocity with Backdraft at front of work surface:
0.300 – 0.325m³/s

Thermo Scientific Grosslab™ Senior Pathology Workstation

Superior quality, value-packed pathology workstation

Superior Functionality

- Retractable acrylic side splash shields
- Units with elevating or fixed-height work surface are available
- Elevating units have a user-adjustable work surface height from 85 to 116cm
- Fixed-height units have a work surface that is factory set to your specification from 85 to 116cm
- Deep sink with cold/hot water tap
- ½hp or ¾hp disposals are available (please check with local authorities before ordering a unit with disposal; some areas prohibit the use of disposals)
- Proximity or manual controls for water, optional disposal and optional dictation system
- Abundant light is directed to the work surface
- Vacuum breaker-protected water supply
- Appliances plug directly into the unit for convenient use
- Two optional tape recording units available
- Each unit comes complete with an integral centimetre ruler
- Built-in end table rinse washes down work surfaces quickly
- Optional camera and monitor/keyboard brackets are available

Three Ventilation System Options

- Re-circulating and external exhaust models feature formaldehyde neutralising filters
- External exhaust models include an integral blower for short distances
- Remote models connect to the facility exhaust system
- See page 153 for technical information on exhaust ventilation options

Superior Quality

- Stainless steel work surfaces and panels
- Extruded aluminium frame is designed to distribute weight evenly, stand up to heavy use, resist corrosion, add durability and minimise unit weight
- Built tough to stand up to years of extensive work without corrosion

Designed for Easy Delivery and Installation

- All units are supplied in two convenient pieces
- Both parts fit through a standard 81cm doorway
- The two assemblies link firmly with easy-to-assemble integral cam latches
- Connects directly to facility's cold/hot water supplies and drain
- Units are hardwired to the facility's electrical system

110-120V Models

Use 20 amps and require a separate 15 amp circuit for one hospital-grade duplex earthing fault current interrupter receptacle

220-240V Models

Use 20 amps, including up to 7 amps by two IEC 320 receptacles, with facility-supplied residual current device (RCD) protection required

Physical Specifications

Overall Dimensions (H x W): 206 to 236 x 152cm)

Depth shown in chart (next page)

Work Surface Height (customer-specified on fixed height models): 85 to 116cm

Sink (L x W x D): 36 x 30.5 x 15cm

Top Piece Weight: Uncrated - 129kg; Crated - 170kg

Bottom Piece Weight: Uncrated - 215.5kg; Crated - 247kg

Plumbing Specifications

- 19mm hot and cold water supply lines with shut off valves and 38mm drain line must be supplied
- 13mm industrial-grade flexible hoses with 19mm female hose fittings are supplied for connection to water supply lines
- 38mm I.D. reinforced flexible hose is provided for connection to facility drain line

Installed Depth of Grosslab Units:

- Elevating, re-circulating units: 93cm
- Elevating, external exhaust units: 96.5cm
- Elevating, remote exhaust units: 96.5cm
- Fixed-height, re-circulating units: 83cm
- Fixed-height, external exhaust units: 93cm
- Fixed-height, remote exhaust units: 93cm

Includes†

Fixed height work surface within range of 86 to 116cm, remote exhaust, louvred backdraft ventilation, sink, cold/hot water tap with manual controls, built-in end table rinse with manual controls, hand spray, electrical receptacle, centimetre ruler on front lip of table top, fixed lower shelf, fixed upper shelf, fluorescent light, Type 304 stainless steel table top and panels, extruded aluminium frame and retractable acrylic side splash shields.

† Contents, packaging and quantities of inclusions are subject to change without notice.

Description	Order Number
110-120V, 60Hz, 1Ph	
Right Hand	**9700000**
Left Hand	**9700001**
220-240V, 50/60Hz, 1Ph	
Right Hand	**9700002**
Left Hand	**9700003**

Factory Installed Options

- Integrated dictation systems include a proximity microphone and foot pedal controls
- Waste formalin collection systems with alarms feature both audible and visual alarms
- B21225 is only available on units with remote exhaust
- Proximity-sensing controls option includes programmable clock and filter replacement alarm

Description
Disposal, ½hp
Disposal, ¾hp (not rated for continuous use)
Elevating work surface height
Exhaust system, external
Exhaust system, re-circulating
Foot pedal controls for cold/hot water tap
Foot-pedal control for optional disposal
Foot pedal control for end table rinse
Integrated dictation system with microcassette recorder
Integrated dictation system with standard cassette recorder
Proximity sensing controls
Task lamp (specify left or right side)
Tea strainer tap, bracket and tea strainer
Type 316 stainless steel construction
Waste formalin collection system
Waste formalin collection system with high-level alarms
Waste formalin collection system with high and low level alarms and fresh formalin dispensing system with foot pedal controls

Accessories

- Replacement filter set includes two potassium permanganate filters and two fine particle filters
- Stand-alone dictation systems include a hand held microphone and power supply
- Towel bar for rolled towels requires towel dispenser (1070214)

Available accessories	Order Number
Camera bracket	**10661**
Fresh formalin dispensing carboy	**B12036**
Magnetic instrument bar (tools not included)	**104393**
Magnifier for task lamp	**B21200**
Magnifier on flexible arm	**104404**
Movable dictation recorder rack	**10629**
Movable requisition rack	**105417**
Movable splash shield	**10486**
Photographic blue polyethylene dissecting board	**B36115**
Replacement filters	**9990850**
Shelf for Thermo Scientific PrintMate(requires Part no. B10708)	**B21229**
Splash shield on flexible arm (requires drilling for installation)	**B1003279**
Stand-alone dictation system with microcassette recorder	**C1003447**
Stand-alone dictation system with standard cassette recorder	**C1003446**
Thin monitor/keyboard bracket	**B10708**
Towel bar for rolled towels (must have towel dispenser 1070214)	**104268**
Towel dispenser for C-fold towels	**1070214**
Ventilated waste bin (specify left or right side)	**B21115**

Choosing the Exhaust System to Fit Your Lab

Re-circulating

For existing labs or labs without facility exhaust, it may be necessary to filter and re-circulate the air. Specify a unit with integral blowers and filters.

External Exhaust

For distances that do not exceed 6.1m, you may choose a unit with integral blower and optional filters that may be connected to your facility's exhaust duct for venting. (Facility duct and remote blower, if required, by others.)

Remote exhaust

If your facility can supply an exhaust duct and remote blower system that provides an air flow of 0.236m³/s, a ducted unit will best suit your needs. (Facility duct and remote blower by others; no filters.)

Validated Exhaust Efficiencies

Re-circulating	External		Remote
N/A	N/A		Average Air Velocity at 0.236m³/s
N/A	N/A		Pressure loss through unit 1.02mb
Vented Area with Side Panels:			
0.452m³/s	0.538m³/s	Without Filters	0.650m³/s
	0.406m³/s	With Filters	
Front of Unit with Side Panels:			
0.193m³/s	0.279m³/s	Without Filters	0.351m³/s
	0.112m³/s	With Filters	

Options

- Proximity-sensing controls for cold/hot water tap, table rinse and optional disposal
- Table rinse with manual controls supplied as standard. May be ordered with optional proximity controls
- Units have 15cm deep sinks. An optional tea strainer and separate tap and strainer for rinsing currettings and other small specimens is available. Deeper sinks are available
- Call for details

Thermo Scientific Grosslab™ Junior Bench Top Workstation

Space-saving bench top pathology workstation

Features

- Rapid positive drainage
- Quick, easy installation
- Three exhaust system options
- Ergonomically designed to be low to the counter
- Use with optional stand (10456) to free up counter space
- Back draught design for efficient capture of fumes across the work surface
- Programmable microprocessor allows clock time to be changed or the filter replacement alarm to be reset
- Optional splash shield (10486) protects the user while dissecting specimens
- Flat, stainless steel work surfaces include three removable perforated grid plates on bench top units
- One IEC 320 Power Entry Module and one point-of-use power cord
- Requires facility receptacles with 15 amp circuits for each power cord
- Industrial-grade flexible hose connects to cold water supply line
- NPT connection and reinforced flexible hose connect to facility drain line
- 110-120V models use 15 amps, including the two hospital grade duplex earth fault circuit interrupter receptacles
- 220-240V models use 15 amps, including the four IEC 320 receptacles with facility-supplied residual current device (RCD) protection required

Physical Specifications

Overall Dimensions (H x W x D):

Re-circulating: 116 x 122 x 71cm

External: 134 x 122 x 71cm

Remote: 134 x 122 x 71cm

Work Surface Height: 44mm above bench top

Recommended Depth: 74cm from front of unit to wall

Sink (W x L x D): 46 x 15 x 10cm

Weight: Uncrated - 136kg; Crated - 159kg

Includes†

Remote exhaust, louvred backdraft ventilation, centre sink on lower shelf, cold water tap with rocker switch for user choice of proximity sensing control or manual control, deluxe hand spray, electrical receptacles, centimetre ruler on front lip of table top, fixed lower shelf, fixed upper shelf, fluorescent light, Type 304 stainless steel construction, programmable microprocessor for date, time and filter replacement alarm, one 13mm industrial-grade flexible hose with 19mm female hose fittings for connection to cold water supply line, one 19mm NPT connection and 25mm I.D. reinforced flexible hose for connection to facility drain line

†Contents, packaging and quantities of inclusions are subject to change without notice.

Description	Order Number
110-120V, 60Hz, 1Ph	**9600000**
220-240V, 50/60Hz, 1Ph	**9600003**

Choosing the Exhaust System to Fit Your Lab

Re-circulating

For existing labs or labs without facility exhaust, it may be necessary to filter and re-circulate the air. Specify a unit with integral blowers and filters.

External Exhaust

For distances that do not exceed 6.1m, you may choose a unit with integral blower and optional filters that may be connected to your facility's duct for venting. (Facility duct and remote blower, if required, by others.)

Remote Exhaust

If your facility can supply an exhaust duct and remote blower system that provides an air flow of 0.189m³/s, a ducted unit will best suit your needs. (Facility duct and remote blower; no filters.)

Validated Exhaust Efficiencies

Re-circulating	
Vented Area:	0.604 - 0.615m/s
Front of Unit:	0.051m/s
External	
Vented Area:	0.620 - 0.625m/s
Front of Unit:	0.051 - 0.066m/s
Remote	
Average air velocity at 0.189m³/s exhaust air flow:	
Vented Area:	0.752m/s
Front of Unit:	0.076m/s
Pressure Loss Through Unit:	2.87mb

Re-circulating	Use of filters is required.
External Exhaust	Use filters if required for application.
Remote exhaust	No filters are required.

Optional stand (Part no.10456) transforms the bench top unit into a stand-alone workstation. Sturdy, extruded aluminium frame with stainless steel shelf can be height adjusted from 71 to 107cm

Factory Installed Options

Integrated dictation systems include a proximity microphone and foot pedal controls

Description	Order Number
Camera bracket	**B21231**
Exhaust system, external	**B21228**
Exhaust system, re-circulating	**B21233**
Integrated dictation system with microcassette recorder	**B21235**
Integrated dictation system with standard cassette recorder	**B21234**
Task lamp (specify left or right side)	**B10011405**
Type 316 stainless steel construction	**Special Order**

Accessories

- Replacement filter set includes two potassium permanganate filters and two fine particle filters
- Stand with extruded aluminium frame and stainless steel shelf with back panel (stand is height adjustable from 71 to 107cm during installation)
- Stand-alone dictation systems include a hand held microphone and power supply
- Towel bar for rolled towels requires Towel Dispenser (1070214)

Accessories	Order Number
Fluorescent magnifier lamp	**B21232**
Fresh formalin dispensing carboy	**B12036**
Magnetic instrument bar	**104393**
Magnifier for task lamp	**B21200**
Movable dictation recorder rack	**10629**
Movable requisition rack	**105417**
Movable tea strainer bracket and tea strainer	**B21237**
Photographic blue polyethylene dissecting board	**B36115**
Replacement filter	**1001618**
Splash shield on flexible arm (requires drilling for installation)	**B1003279**
Stand with extruded aluminium frame and stainless steel shelf	**10456**
Stand-alone dictation system with microcassette recorder	**C1003447**
Stand-alone dictation system with standard cassette recorder	**C1003446**
Towel bar for rolled towels	**104268**
Towel dispenser for C-fold towels	**1070214**

To minimise contamination and maximise convenience, Grosslab Junior units feature a hands-free control for cold water

Thermo Scientific Grosslab™ Junior Stand-Alone Workstation

Space saving stand-alone pathology workstation

Features

- Rapid positive drainage
- Stainless steel construction
- Quick, easy installation
- Abundant fluorescent light is directed to the work surface
- Three exhaust ventilation options: Re-circulating, external exhaust or remote exhaust
- Backdraft design for efficient, quiet fume removal
- Noise levels measure less than 65 decibels
- Appliances plug into the unit for convenient use
- Two IEC 320 power entry modules and two point-of-use power cords
- Require facility receptacles with 15 amp circuits for each power cord
- Two industrial-grade flexible hoses with 19mm female hose fittings connect to cold and hot water supply lines
- Reinforced flexible hose connects to facility drain line
- 110-120V models use 15 amps including the two hospital grade duplex earthing fault circuit interrupter receptacles
- 220-240V models use 15 amps including the four IEC 320 receptacles with facility-supplied residual current device (RCD) protection required

Physical Specifications

Overall Dimensions (H x W x D):

Re-circulating: 199 x 122 x 71cm

External: 217 x 122 x 71cm

Remote: 217 x 122 x 71cm

Work Surface Height: 91cm

Sink (L x W x D): 36 x 30.5 x 25cm

Weight: Uncrated - 227kg; Crated - 272kg

Includes†

Remote exhaust, louvred backdraft, sink, cold/hot water tap with manual controls, hand spray combined with cold/hot water tap, electrical receptacles, centimetre ruler on front lip of table top, fixed lower shelf, fixed upper shelf, fluorescent light, Type 304 stainless steel construction, programmable microprocessor for date, time and filter replacement alarm, two 13mm industrial-grade flexible hoses for connection to cold and hot water supply lines, reinforced flexible hose, 38mm I.D. for connection to facility drain line.

† Contents, packaging, and quantities of inclusions are subject to change without prior notice

Description	Order Number
110-120V, 60Hz, 1Ph	
Right Hand	**9600001**
Left Hand	**9600002**
220-240V, 50/60Hz, 1Ph	
Right Hand	**9600004**
Left Hand	**9600005**

Factory Installed Options

- Integrated dictation systems include a proximity microphone and foot pedal controls

Description	Order Number
Camera bracket	**B21125**
Disposal, ½hp	**B21111**
Disposal, ¾hp (not rated for continuous use)	**B21112**
Exhaust system, external	**B21238**
Exhaust system, re-circulating	**B21239**
Foot pedal controls for cold/hot water tap	**B21240**
Foot pedal controls for cold/hot water tap and optional disposal	**B21241**
Integrated dictation system with microcassette recorder	**B21243**
Integrated dictation system with standard cassette recorder	**B21242**
Task lamp (specify left or right side)	**B1001405**
Type 316 stainless steel construction	**Special Order**

Choosing the Exhaust System to Fit Your Lab

Re-circulating

For existing labs or labs without facility exhaust, it may be necessary to filter and re-circulate the air. Specify a unit with integral blowers and filters.

External Exhaust

For distances that do not exceed 6.1m, you may choose a unit with integral blower and optional filters that may be connected to your facility's duct for venting. (Facility duct and remote blower, if required, by others.)

Remote Exhaust

If your facility can supply an exhaust duct and remote blower system that provides an air flow of 0.189m³/s, a ducted unit will best suit your needs. (Facility duct and remote blower; no filters.)

Accessories

- Replacement filter set includes two potassium permanganate filters and two fine particle filters
- Stand-alone dictation systems include a hand held microphone and power supply
- Towel bar for rolled towels requires Towel Dispenser (1070214)

Validated Exhaust Efficiencies

Re-circulating	
Vented Area:	0.604 - 0.615m/s
Front of Unit:	0.051m/s
External	
Vented Area:	0.620 - 0.625m/s
Front of Unit:	0.051 - 0.066m/s
Remote	
Average air velocity at 0.189m³/s exhaust air flow:	
Vented Area:	0.752m/s
Front of Unit:	0.076m/s
Pressure Loss Through Unit:	2.87mb

Re-circulating	Use of filters is required.
External Exhaust	Use filters if required for application.
Remote exhaust	No filters are required.

Accessories	Order Number
Fluorescent magnifier lamp	**B21232**
Fresh formalin dispensing carboy	**B12036**
Magnetic instrument bar	**104393**
Magnifier for task lamp	**B21200**
Movable dictation recorder rack	**10629**
Movable requisition rack	**105417**
Movable tea strainer bracket and tea strainer	**B21237**
Photographic blue polyethylene dissecting board	**B36115**
Replacement filter	**1001618**
Splash shield on flexible arm (requires drilling for installation)	**B1003279**
Stand with extruded aluminium frame and stainless steel shelf	**10456**
Stand-alone dictation system with microcassette recorder	**C1003447**
Stand-alone dictation system with standard cassette recorder	**C1003446**
Towel bar for rolled towels	**104268**
Towel dispenser for C-fold towels	**1070214**

Thermo Scientific Grossing Station Accessory Chart

The easy way to compare Thermo Scientific Grossing Station features side by side

1. Gross-Star™ Pathology Workstation
2. Gross-Star Pathology Work Bench
3. Grosslab™ Senior Pathology Workstation
4. Grosslab Junior Bench Top Workstation
5. Grosslab Junior Stand-Alone Workstation

I = Included with Product A = Available Accessory	1	2	3	4	5
½hp Disposal with Rocker Switch	A	A	A		A
¾hp Disposal with Rocker Switch	A	A	A		A
36 x 30.5 x 15cm Sink			I		
36 x 30.5 x 25cm Sink					I
41 x 20cm Adjustable Lower Shelf	I				
41 x 36 x 19cm Sink	I	I			
15 x 46 x 10cm Sink Centred on Lower Shelf				I	
Additional 41 x 20cm Adjustable Lower Shelf	A				
Perforated Backdraft Ventilation (no downdraft)	A	A			
Built-in table rinse with manual control			I		
Camera bracket	A		A	A	A
Camera Bracket Adapter (for use with Hood Assembly)	A				
Centimetre ruler (on front lip of table top)	I	I	I	I	I
Cold Water Tap with Rocker Switch for User Choice of Proximity Sensing Control or Manual Control				I	
Cold/Hot Water Tap	I	I	I		I
Downdraft ventilation	I	I			
Elevating Height (user-adjustable table top height from 71 - 107cm)			A		
Elevating Height (user-adjustable table top height from 84 - 104)	A	A			
External Exhaust with Integral Blower (via facility duct; no filters; replaces Remote Exhaust on basic unit)	A		A	A	A
Fixed Height (table top height from 85 - 116cm, to be specified by customer)			I		
Fixed Height (table top height from 84 - 104cm, to be specified by customer)	I	I			
Fixed Table Top Height of 91cm					I
Fixed lower shelf			I	I	I
Fixed upper shelf	I		I	I	I
Fluorescent light	I		I	I	I
Fluorescent Magnifier Lamp				A	A
Foot-Pedal Controls for Cold/Hot Water Tap	A	A	A		A
Foot-pedal control for optional disposal			A		A
Foot-Pedal Control for Table Rinse			A		
Fresh Formalin Dispensing Carboy	A		A	A	A
Glove Dispenser	I				
Hand spray			I		
Hand spray combined with cold/hot water tap					I
De-luxe hand spray	I	I		I	
Hood Assembly	A				
Louvred backdraft ventilation			I	I	I
Magnetic instrument bar	A	A	A	A	A
Magnifier for Task Lamp	A	A	A	A	A

I = Included with Product A = Available Accessory	1	2	3	4	5
Magnifier on Flexible Arm with Mounting Bracket	A	A	A	A	A
Manifold rinse with manual control	I	I			
Movable dictation recorder rack	A		A	A	A
Movable requisition rack	A		A	A	A
Movable Tea Strainer Bracket and Tea Strainer (for use with water tap)				A	A
Photographic Blue Polyethylene Dissecting Board	A	A	A	A	A
Point-of-use electrical receptacle(s)	I	I	I	I	I
Programmable Microprocessor for Date, Time and Filter Replacement Alarm			A	I	I
Proximity Sensing Controls for Cold/Hot Water Tap, Table Rinse and optional Disposal (no foot pedal controls)			A		
Re-circulating Exhaust with Set of Filters and Integral Blower (replaces Remote Exhaust on basic unit)	A		A	A	A
Remote Exhaust (via facility duct and blower provided by others; no filters)	I	I	I	I	I
Removable sink	I	I			
Retractable Acrylic Side Splashes			I		
Shelf for MicroWriterq Cassette Labeller	A	A	A	A	A
Splash Shield on Flexible Arm	A	A	A	A	A
Stand with extruded aluminium frame and stainless steel Shelf with Back Panel (so that bench top unit can be used as a stand-alone workstation; height adjustable from 71 - 107cm during unit installation)				A	
Integrated Dictation System with Standard Cassette recorder, proximity microphone and foot pedal controls	A		A	A	A
Integrated Dictation System with Microcassette Recorder, Proximity Microphone and Foot Pedal Controls	A		A	A	A
Stand-Alone Dictation System with Standard Cassette Recorder, Hand-held Microphone and Power Supply	A	A	A	A	A
Stand-alone dictation system with microcassette recorder, microphone and power supply	A	A	A	A	A
Task Lamp (halogen; quantity of 1 or 2 to be specified by customer; if quantity is 1, location on left or right side of unit to be specified by customer)	A	A	A	A	A
Tea Strainer Tap with Manual Controls, Tea Strainer Bracket and Tea Strainer			A		
Thin Monitor/Keyboard Brackets	A		A		
Towel Dispenser for C-fold Towels	A		A	A	A
Type 304 stainless steel construction	I	I		I	I
Type 304 stainless steel table top and panels; Extruded aluminium frame			I		
Type 316 stainless steel construction (special order)	A	A		A	A
Type 316 stainless steel table top and panels; Extruded Aluminium frame (special order)			A		
Ventilated base cabinet	I	I			
Ventilated waste bin (location on left or right side of unit to be specified by customer)	A	A	A		
Waste formalin collection system	A	A	A		A
Waste Formalin Collection System with High Level Audible and Visual Alarms	A	A	A		A
Waste Formalin Collection System with High Level Audible and Visual Alarms and Fresh Formalin Dispensing System with Foot Pedal Control and Low Level Audible and Visual Alarms	A	A	A		

Thermo Scientific Hyperclean™ Series

Fume control workstations

Hyperclean™ 1

- Perforated stainless steel insert fits snugly into removable spill tray
- Adjustable for bench depths of up to 55cm
- Optional safety panel door with hand holes increases air capture velocity to approximately 0.508m/s
- Sides and front are made from clear acrylic, which is impervious to most chemicals
- Filters are replaced easily without tools

Physical Specifications

Dimensions (H x W x D) 37 x 76 x 37 to 55cm

Weight: 45kg

Power Requirements

110-120V, 1.1 amp, 60Hz, 1Ph

220-240V, 0.8 amp, 50/60Hz, 1Ph

Includes

Blower and charcoal filter

Certifications

UL/cUL (110-120V only); CE (220-240V only)

Description	Order Number
110-120V	**9990601**
220-240V	**6485601**

Accessories	Order Number
Fine particle filters	**9990611**
Formaldehyde-neutralising filters (potassium permanganate)	**9990612**
Safety door panel with hand holes	**9990650**
Vent adapter kit	**9990640**

Hyperclean™ 2

- Customised for enclosing large bench top equipment
- Full-height front doors provide easy access to equipment
- Sides may be removed and replaced for easy access
- Sides and front are made from clear acrylic, which is impervious to most chemicals
- Filters are replaced easily without tools

Physical Specifications

Dimensions (H x W x D) 112 x 89 x 81cm

Height without blower: 88cm

Weight: 75kg

Power Requirements:

110-120V, 1.1 amp, 60Hz, 1Ph

220-240V, 0.8 amp, 50/60Hz, 1Ph

Includes

Blower and charcoal filter

Certifications

UL/cUL (110-120V only); CE (220-240V only)

Description	Order Number
110-120V	**9990602**
220-240V	**6485602**

Accessories	Order Number
Vent adapter kit	**9990640**

Hyperclean™ 20

- Swing-down front panel hinges from top and covers half of the face opening
- Sides and front are made from clear acrylic, which is impervious to most chemicals
- Filters are replaced easily without tools

Physical Specifications

Dimensions (H x W x D) 91 x 76 x 56cm

Weight: 90kg

Power Requirements (each blower):

110-120V, 1.1 amp, 60Hz, 1Ph

220-240V, 0.8 amp, 50/60Hz, 1Ph

Includes

Two blowers and two charcoal filters

Certifications

UL/cUL (110-120V only); CE (220-240V only)

Description	Order Number
110-120V	**9990620**
220-240V	**6485620**

Accessories	Order Number
Fine particle filters	**9990611**
Formaldehyde-neutralising filters (potassium permanganate)	**9990612**
Vent adapter kit	**9990640**

Hyperclean™ 22

- Use as a one or two person workstation
- Two swing-down front panels hinge from top and cover half of the face opening
- Sides and front are made from clear acrylic, which is impervious to most chemicals
- Filters are replaced easily without tools

Physical Specifications

Dimensions (H x W x D) 91 x 152 x 56cm

Weight: 171.5kg

Power Requirements (each blower):

110-120V, 1.1 amp, 60Hz, 1Ph

220-240V, 0.8 amp, 50/60Hz, 1Ph

Includes

Four blowers and four charcoal filters

Certifications

UL/cUL (110-120V only); CE (220-240V only)

Description	Order Number
110-120V	**9990622**
220-240V	**6485622**

Accessories	Order Number
Fine particle filters	**9990611**
Formaldehyde-neutralising filters (potassium permanganate)	**9990612**
Vent adapter kit	**9990640**

Hyperclean™ 36

- Unit can be configured with the blower located either on the top or on the back
- Sides are made from clear acrylic, which is impervious to most chemicals
- Filters are replaced easily without tools

Physical Specifications

Dimensions (H x W x D):

Top-Mounted Blower: 63.5 x 91 x 33cm

Back-Mounted Blower: 33 x 91 x 63.5cm

Weight: 50kg

Power Requirements (each blower):

110-120V, 1.1 amp, 60Hz, 1Ph

220-240V, 0.8 amp, 50/60Hz, 1Ph

Includes

Blower and charcoal filter

Certifications

UL/cUL (110-120V only); CE (220-240V only)

Description	Order Number
110-120V	**9990636**
220-240V	**6485636**

Accessories	Order Number
Fine particle filters	**9990611**
Formaldehyde-neutralising filters (potassium permanganate)	**9990612**
Vent adapter kit	**9990640**

Hyperclean™ 60

- Accommodates Thermo Scientific linear stainers or may function as a double workstation
- Blowers mount on either the top or on the back of the unit
- Filters are replaced easily without tools
- Sides are made from clear acrylic, which is impervious to most chemicals

Physical Specifications

Dimensions (H x W x D):

Top-Mounted Blower: 63.5 x 152 x 33cm

Back-Mounted Blower: 33 x 152 x 63.5cm

Weight: 100kg

Power Requirements (each blower):

110-120V, 1.1 amp, 60Hz, 1Ph

220-240V, 0.8 amp, 50/60Hz, 1Ph

Includes

Two blowers and two charcoal filters

Certifications

UL/cUL (110-120V only); CE (220-240V only)

Description	Order Number
110-120V	**9990660**
220-240V	**6485660**

Accessories	Order Number
Fine particle filters	**9990611**
Formaldehyde-neutralising filters (potassium permanganate)	**9990612**
Vent adapter kit	**9990640**

Hyperclean™ Vent Adapter Kit

- Connects any Hyperclean blower to a facility's exhaust system for outside venting
- Flexible duct mounts to the back of a Hyperclean blower unit
- Duct may be cut to fit a window panel or exhaust duct system

Physical Specifications

Duct dimensions: 7.6 dia. x 305cm

Description	Order Number
Vent adapter kit	**9990640**

Thermo Scientific Bench Top Fume Expeller

- Low profile, efficient unit with up to 12 dual-speed fans
- Units are portable and can be moved where needed
- Each fan is rated at 0.034m/s³ in free air
- Dual 110-120/220-240V switch on back of unit
- Stainless steel construction
- Replace filter from top of unit
- Can be attached to facility's duct work for outside venting
- 71cm re-circulating model includes one charcoal filter
- 112cm re-circulating unit includes two charcoal filters
- 152cm re-circulating unit includes three charcoal filters

Physical Specifications

Dimensions (H x W x D) 15 x 71 or 112 or 152 x 16.5cm

Weight:

71cm Unit: 19kg

112cm Unit: 29.5kg

152cm Unit: 45kg

Power Requirements (each blower):

Dual Voltage 110-120V or 220-240V, 50/60Hz, 1Ph

Includes

Charcoal filters (281116)

Description	Order Number
Re-circulating	
15 x 71cm	**281128**
15 x 112cm	**281144**
16.5 x 152cm	**281160**
Ducted	
15 x 71cm	**2811428**
15 x 112cm	**2811444**
16.5 x 152cm	**2811460**

Accessories	Order number
Charcoal filters (Re-circulating units only)	**281116**
Formaldehyde-neutralising filters (potassium permanganate)	**860014**

Thermo Scientific Filter Guide

Guide to replacement filters for Thermo Scientific pathology and fume control products

Use with	Size	Qty.	Order Number
Charcoal filters			
Hyperclean™ 2	6.7 x 27.9 x 27.9cm	ea.	**9990615**
Hyperclean 1, Hyperclean 20, Hyperclean 22, Hyperclean 36, Hyperclean 60	29 x 15 x 3.3cm	ea.	**9990610**
Hyperclean 1, Hyperclean 20, Hyperclean 22, Hyperclean 36, Hyperclean 60	29 x 15 x 3.3cm	6/pk.	**7411258**
Early Lipshaw Fume Hoods (S, SX and TP X-Pellers)	30.5 x 30.5 x 3.8cm	ea.	**2801**
Bench Top Fume Expeller	38.9 x 15.4 x 3.1cm	ea.	**281116**
Fine Particle Filters			
Hyperclean 1, Hyperclean 20, Hyperclean 22, Hyperclean 36, Hyperclean 60	29 x 15 x 3.3cm	ea.	**9990611**
Formaldehyde Neutralising Filters (Potassium Permanganate)			
Hyperclean 1, Hyperclean 20, Hyperclean 22, Hyperclean 36, Hyperclean 60	29 x 15 x 3.3cm	ea.	**9990612**
Grosslab™ V Series 8600, Bench Top Fume Expeller	38.9 x 15.4 x 3.1cm	ea.	**860014**
Formaldehyde Neutralising (Potassium Permanganate) Filters/Fine Particle Filter Packs			
Grosslab Senior Series 8700 and 9700 + Gross-Star	42.7 x 28.6 x 5.1cm	1 set	**9990850**
Grosslab Junior Series 9600	48.3 x 19.7 x 5.7cm	1 set	**1001618**
Pre-filter Cartridges			
Early Lipshaw Fume Hoods (S, SX and TP X-Pellers)	30.5 x 30.5 x 1.3cm	ea.	**2808**

Charcoal Filter Effectiveness Guide

High Capacity **Satisfactory** **Not Highly Absorbed** **Low Capacity**

- Acetaldehyde
- Acetic acid
- Acetic anhydride
- Acetone
- Acetylene
- Acrolein
- Acrylic acid
- Acrylonitrile
- Amines
- Ammonia
- Amyl acetate
- Amyl alcohol
- Amyl ether
- Anaesthetics
- Aniline
- Antiseptics
- Benzene
- Bleaching solutions
- Borane
- Bromine
- Butadiene
- Butane
- Butanone
- Butyl acetate
- Butyl alcohol
- Butyl cellosolve
- Butyl ether
- Butyne
- Butylaldehyde
- Butyric acid
- Camphor
- Cancer odour
- Caprylic acid
- Carbolic acid
- Carbon disulphide
- Carbon dioxide
- Carbon monoxide
- Carbon tetrachloride
- Cellosolve
- Cellosolve acetate
- Charred material
- Chlorine
- Chlorobenzene
- Chlorobutadiene
- Chloroform
- Chloronitropropane
- Chloropicrin
- Cigarette smoke odour
- Cleaning compounds
- Combustive odours
- Corrosive gasses
- Creosote
- Crotonaldehyde
- Cyclohexane
- Cyclohexanol
- Cyclohexanone
- Cyclohexene
- Decane
- Dibromoethane
- Dichlorobenzene
- Dhlorodifluoromethane
- Dichloroethane
- Dichloromonofluoromethane
- Dichloronitroethane
- Dichloropropane
- Dichlorotetrafluoroethane
- Diethylamine
- Diethyl ketone
- Dimethylaniline
- Dimethylsulphate
- Dioxane
- Dipropyl ketone
- Disinfectants
- Embalming odours
- Ethane
- Ethyl acetate
- Ethyl acrylate
- Ethyl alcohol
- Ethyl amine
- Ethyl benzene
- Ethyl bromide
- Ethyl chloride
- Ethyl formate
- Formaldehyde
- Glutaraldehyde
- Hydrogen bromide
- Hydrogen chloride
- Hydrogen cyanide
- Hydrogen fluoride
- Hydrogen iodide
- Hydrogen selenide
- Hydrogen sulphide
- Indole
- Inorganic chemicals
- Iodine
- Iodoform
- Isophorone
- Isoprene
- Isopropyl acetate
- Isopropyl alcohol
- Isopropyl ether
- Kerosene
- Lactic acid
- Menthol
- Mercaptans
- Mesityl oxide
- Methane
- Methyl acetate
- Methyl acrylate
- Methyl alcohol
- Methyl bromide
- Methyl butyl ketone
- Methyl cellosolve
- Methyl cellosolve acetate
- Methyl chloride
- Methyl chloroform
- Methyl ether
- Methyl ether ketone
- Methyl formate
- Methyl isobutyl ketone
- Methyl mercaptan
- Methylcyclohexane
- Methylcyclohexanol
- Methocyclohexanone
- Methylene chloride
- Mildew
- Monochlorobenzene
- Monofluorotrichloromethane
- Naphtha
- Naphthane nicotine
- Nitric acid
- Nitro benzenes
- Nitroethane
- Nitrogen dioxide
- Nitroglycerine
- Nitromethane
- Nitropropane
- Nitrotoluene
- Nonane
- Octalene
- Octane
- Organic chemicals
- Osmium tetroxide
- Ozone
- Palmitic acid
- Paradichlorobenzene
- Pentane
- Pentanone
- Pentylene
- Pentyne
- Perchloroethylene
- Phenol
- Phosgene
- Plastics
- Propane
- Propionaldehyde
- Propionic acid
- Propyl acetate
- Propyl alcohol
- Propyl chloride
- Propyl ether
- Propyl mercaptan
- Propylene
- Propyne
- Putrescine
- Pyridine
- Resins
- Skatole
- Solvents
- Stoddard solvent
- Styrene monomer
- Sulphur dioxide
- Sulphur trioxide
- Tetrachloroethane
- Tetrachloroethylene
- Tobacco/smoke odour
- Toluene
- Toluidine
- Trichloroethylene
- Trichloroethane
- Turpentine
- Urea
- Valeric acid
- Valericaldehyde
- Vinyl chloride
- Volatile materials
- Xylene

Thermo Scientific Immunohistochemistry Solutions

In an industry where seemingly small decisions can have huge implications and the quality of your diagnosis is critical, it is good to know that Thermo Scientific have a range of fast, accurate and cost effective solutions which are trusted throughout the IHC field.

Formerly known as Labvision, and now integrated into the Thermo Scientific portfolio, our IHC range of solutions combines the knowledge and experience of one of the best known names in the IHC field, with the backing and support of the world leader in serving science.

Pathologists - Enhance your ability to do what is best for the patient

Standardised and precise antigen retrieval, combined with proven and reliable staining units ensures your requested tests are stained according to your high quality standards.

Technicians - Gain the freedom to make better use of your time

Robust, reliable automation of processes allows you to spend your time handling results rather than diagnosing instrumentation problems; whilst barcoding of slides and reagents simplifies the instrument loading and programming process. Leverage parallel processing of HIER and staining, while using a single slide rack.

Lab Managers - Enjoy the capability to configure instrumentation according to your needs

Standardisation of processes via the Thermo Scientific PT Module and Autostainer ensure consistent, high-quality results. Three models allow for any instrument configuration to best accommodate average slide volumes and peaks throughout the day. The open platform enables you to take full advantage of flexible protocol design, and consider economically attractive reagent packages.

Purchasing and Administration - Save money and save lives

Get the best possible value for money by working directly with the manufacturer of both the instruments and reagents; and benefit from the simplicity of getting any solutions for the pathology laboratory from a single source.

Thermo Scientific Autostainer Series

The Industry Standard in IHC Automation

With a proven track record for consistency and reliability, and more than 5,000 units placed, the Thermo Scientific Autostainer platform is the most widely used IHC instrument in the world.

Features

- Dual barcoding ensures that each slide receives the correct reagent
- Open system allows the user to configure the reagents to meet their specific needs, whilst maintaining control of the costs
- Rapid turnaround time gets your specimens processed and your patients diagnosed faster
- Two models allow any combination for throughput and / or TAT

Autostainer 360

- This most compact variant is ideal for laboratories where speed and continuous workflow are imperative

Autostainer 480S

- The industry standard in automated IHC now has an even smaller footprint, allowing you to save an extra 12cm of laboratory space

Includes

Autostainer PC, EMC Statement, install Instructions, certificate of compliance, documentation CD, buffer in-line tubing, DI water in-line tubing, hazardous waste tubing assembly, non-hazardous waste tubing assembly, 10l bottles (4/pk.), reagent vial, 15ml (100/pk.), bottle, reagent barcode label kit, flap label kit, reagent rack, label printer (2/pk.), slide rack, leveller (2/pk.), computer data cable (8ft), barcode cable, Tween 20, DAB Away and IVD Letter.

Physical Specifications

Autostainer 360

Max. Capacity: 36 Slides

Dimensions (W, H, D): 76 x 58 x 67 cm (not inc. PC and Printers)

Weight: 55 kg

Power Requirements: 100 - 120V or 220-240V, 50 / 60Hz; 2A max. at 240V

Thermo Scientific Autostainer 480S

Max. Capacity: 48 Slides

Dimensions (W, H, D): 91 x 58 x 67 cm (not inc. PC and Printers)

Weight: 65 kg

Power Requirements: 100 - 120V or 220 - 240V; 50/60Hz; 2A max. at 240V

Description	Order Number
Autostainer 360	
220 - 240V	**A80500003**
100 - 120V	**A80500004**
Autostainer 480S	
220 - 240V	**A80500007**
100 - 120V	**A80500008**

Thermo Scientific PT Module

The Reference in Antigen Retrieval

Standardisation in any laboratory is crucial to obtaining high quality and consistent IHC staining. To standardise the manual steps associated with the pre-treatment of slides, Thermo Scientific has introduced the PT Module.

Features

- Designed to simultaneously perform dewaxing and epitope recovery on slides prior to immunostaining
- Autostainer slide racks fit directly into the PT Module
- Integrated computer with touch screen for programming standardised pre-treatment programs
- The user can also modify the time and temperature settings to further optimise the results
- The PT Module has dual reaction baths so that two individual procedures, each with 24 slides, may be run independently
- A dedicated pump is also supplied to allow for safe and easy emptying of the reaction baths
- Thermo Scientific's proprietary epitope recovery solutions provide for safe, solvent-free dewaxing and improved environmental conditions
- Delayed start option allows overnight processing so that the slides are ready and waiting when you start in the morning

Physical Specifications

Dimensions (W, H, D): 27 x 26 x 65 cm (not inc. PC)

Weight: 15 kg (not inc. Buffer)

Power Requirements: 100 - 120V or 220 - 240 Vac, 50/60Hz; 5A max. at 240V

Includes

Stainless steel buffer tank (2/pk.), buffer tank cover (2/pk.), serial cable, buffer kit, IVD letter, operator information pack, accessory pump kit, EMC statement.

Description	Order Number
PT Module	
220 - 240V	**A80400011**
100 - 120V	**A80400012**

Thermo Scientific UltraVision™ Quanto

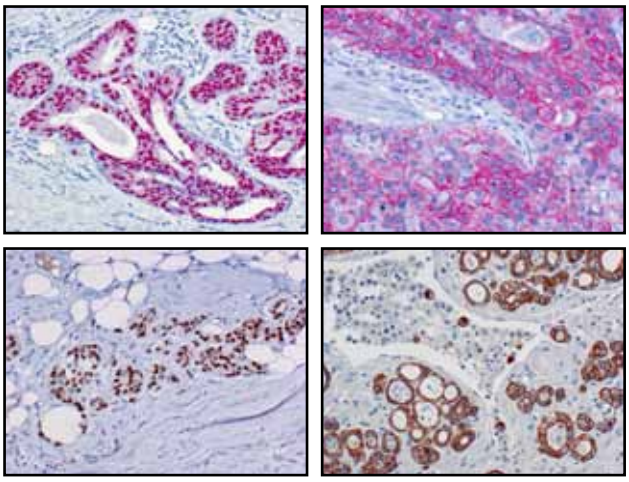
Designed to meet the highest expectations in clinical pathology

Thermo Scientific UltraVision Quanto represents the decade's quantum leap in polymeric labelling. Using innovative micropolymer technology, UltraVision Quanto provides speed and economy while achieving unique sensitivity and enhanced reactivity with challenging nuclear markers as well as excellent cytoplasmic and membrane labelling.

- Signal-to-noise characteristics include elimination of background reactivity associated with endogenous avidin and biotin while enhancing detection of antigens expressed at low levels
- The ultimate IHC detection system for high throughput, saving costs and enhancing sensitivity to achieve superior and consistent staining
- Amplifies the signal with both mouse and rabbit primary antibodies

Description	Qty.	Order Number
UltraVision Quanto (HRP*)		
Ultra-V-Block, Amplifier, HRP-Polymer	60 ml	**TL-060-QHL**
Ultra-V-Block, Amplifier, HRP-Polymer	125 ml	**TL-125-QHL**
UltraVision Quanto (HRP DAB)		
Ultra-V-Block, Amplifier, HRP-Polymer, DAB Substrate Chromogen	60 ml	**TL-060-QHD**
Ultra-V-Block, Amplifier, HRP-Polymer, DAB Substrate Chromogen	125 ml	**TL-125-QHD**
UltraVision Quanto (AP)**		
Ultra-V-Block, Amplifier, AP-Polymer	60 ml	**TL-060-QAL**
Ultra-V-Block, Amplifier, AP-Polymer	125 ml	**TL-125-QAL**

** HRP - Horse Radish Peroxidase; ** AP - Alkaline Phosphatase*



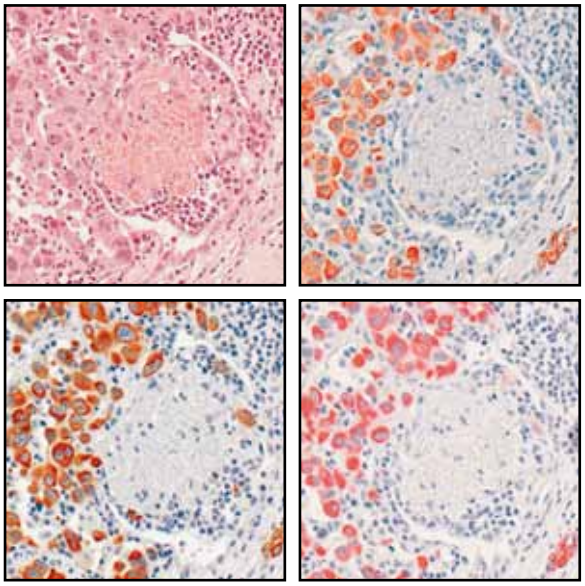
Thermo Scientific Chromogens

- Strong staining contrast for brilliant results
- Chromogens combine ease of use with crisp and clear staining for maximum contrast

Description	Qty.	Order Number
AEC (ready to use)		
Dark red, for UV-Quanto HRP, to be coverslipped with aequeous mounting medium	60 ml	**TA-060-SA**
Dark red, for UV-Quanto HRP, to be coverslipped with aequeous mounting medium	125 ml	**TA-125-SA**
DAB Quanto (2 components)		
Brown, for UV-Quanto HRP, can be coverslipped by using organic solvents	60 ml	**TA-060-QHDX**
Brown, for UV-Quanto HRP, can be coverslipped by using organic solvents	125 ml	**TA-125-QHDX**
LFR* (2 components)		
Magenta red, for UV-Quanto AP, can be coverslipped by using organic solvents	60 ml	**TA-060-AL**
Magenta red, for UV-Quanto AP, can be coverslipped by using organic solvents	125 ml	**TA-125-AL**

** LFR - Liquid Fast Red*

Thermo Scientific Rabbit Monoclonal Antibodies



Rabbit monoclonal antibodies combine the benefits of outstanding antigen detection in the rabbit immune system with the specificity and consistency of monoclonal antibodies, making them among the best antibodies around.

It is now known that antibodies produced in rabbits have a greater affinity than antibodies taken from mice. New cloning technologies allow the production of highly specific antibodies from rabbits which have up to 10 times greater affinity than comparable mouse antibodies.

At the same time, the rabbit immune system generates antibody diversity and optimises the affinity of the antibodies generated using mechanisms which are considerably more efficient than in mice or other rodents. This means that many antigens which are not immunogen in mice or rats do trigger a response in rabbits.

Research has shown that rabbit monoclonal antibodies demonstrate higher levels of sensitivity in combination with lower unspecific dyes compared to comparable monoclonal mouse antibodies.

- Very high specificity and affinity
- Normally more dilutable than comparable monoclonal mouse antibodies
- Considerably improved detection of antigens in mice and rats
- Improved reproducibility, even with fluctuations in fixing and pretreatment, more reliable epitope detection
- Easier to establish dual colours

Description		Order Number
ALK	SP8	**RM-9108**
Cadherin E	EP700Y	**RM-2100**
Calcitonin	SP17	**RM-9117**
Calponin	EP798Y	**RM-2102**
Calretinin	SP13	**RM-9113**
Catenin	E247	**RM-2101**
CD3	SP7	**RM-9107**
CD3	EP449E	**RM-2109**
CD5	SP19	**RM-9119**
CD8	SP16	**RM-9116**
CD23	SP23	**RM-9123**
CD79	SP18	**RM-9118**
CDX2	EPR2764Y	**RM-2116**
Chromogranin A	SP12	**RM-9112**
COX2	SP21	**RM-9121**
Cyclin D1	SP4	**RM-9104**
Cyclin D1	EPR2241IHC	**RM-2113**
Cytokeratin 5	EP1601Y	**RM-2106**
Cytokeratin 8	EP1628Y	**RM-2107**
Cytokeratin 18	E431-1	**RM-2108**
DOG1	SP31	**RM-9132**
EGFR	EP38Y	**RM-2111**
Oestrogen	SP1	**RM-9101**
HER-2/new/c-erbB-2	SP3	**RM-9103**
HER-2/new/c-erbB-2	EP1045Y	**RM-2112**
Ki-67	SP6	**RM-9106**
p53	Y5	**RM-2103**
p53	SP5	**RM-9105**
PAX-5	SP34	**RM-9133**
PLAP	SP15	**RM-9115**
P504s	13H4	**RM-9130**
PSA	EP1588Y	**RM-2104**
PSMA	SP29	**RM-9131**
Progesterone	SP2	**RM-9102**
Synaptophysin	SP11	**RM-9111**
VEGF	SP28	**RM-9128**
Vimentin	SP20	**RM-9120**

Trademark Index

Thermo Scientific Registered Trademarks

Chromaview
Colorfrost
Cryotome
Cytoblock
Cytoclip
Cytofunnel
Cytoslide
Cytospin
Cyto-Stain
EZ Single Cytofunnel
Finesse
Fix-Rite
Gill
HistoScreen
Mucolexx
ParaTrimmer
Pathcentre
TissueLoc
Varistain

Thermo Scientific Trademarks

Angus-Ranieri
Cell-Fixx
CheckMate
Clarifier
Clear-Rite 3
ClearVue
Colorfrost Plus
Consul
Consul-Mount
Cryochrome
Cytoseal
DynaSharp
EdgeRite
Excelsior
EZ Double Cytofunnel
EZ Megafunnel
EZ-Mount
Fast Flex
Flex
Formal-Fixx
Gemini
Glyo-Fixx
Grosslab
Gross-Star
HistoGel
Hyperclean
Immu-Mount
Kwik-Diff
LabWriter
Linistat
Megafunnel
MicroWriter
Netmon
Nu-Clear
Para-Release
Pen-Fix
Polysine
PrintMate
Rapid-Chrome
Rapid-Fixx
Shandon-Mount
Signature Series
SlideMate
Slimsette
Superfrost
SuperMega
TBD-1
TBD-2
TissueWave
UltraVision
WonderBlock

Other Trademarks

Access	**Microsoft Corp.**
Carbowax	**Dow Chemical Co.**
Cellsafe	**Cellpath Plc.**
Cubitainer	**Hedwin Corp.**
CytoRich Red	**TriPath Imaging**
DRS	**Sakura Finetek**
Excel	**Microsoft Corp.**
Hema-Tek	**Miles Inc.**
Leica	**Leica Technology**
Microsoft	**Microsoft Corp.**
Mylar	**Dupont Teijin Films**
Octospot	**Bath Analytical Inc.**
Para/Guard	**Triangle Biomedical Services**
Peel-A-Way	**Polysciences, Inc.**
PolarHeat	**Energy Beam Sciences**
Sakura	**Sakura Finetek**
Secureline	**Precision Dynamics Corp.**
Vytac	**Cartier Chemical Ltd.**

Alphabetical Index

10% Neutral Buffered Formalin 123
14-Drawer Slide Filing Cabinet 73
7-Drawer Slide Filing Cabinet 73

A

Accessories for Block and Slide Storage Cabinets 75
Acetone (ACS) 123
Acid-Fast Bacillus Stain 118
Alcian Blue/PAS 115
Amyloid Stain 114
Angus-Ranieri Slide Rack 105
Artline Markers 104
Autostainer Series 167

B

Bench Top Fume Expeller 163
Biopsy Bags 94
Biopsy Cassettes 6, 80
Blade Removal Instrument 98
Blockstore Cabinet 72
Bluing Reagent 109, 111
Bouin's Fluid 87
Buffered Wright Stain 118
Buffered Wright-Giemsa Stain 119

C

Cal-Rite 86
Cardboard Slide Folders 79
Cassette Insert Paper 95
Cassette Storage Box 76
Cassettes in Tubes 6
Cassettes 80
Cell Preparation Systems 143
Cell-Fixx Spray Fixative 142
Cellsafe+ 95
Charcoal Filter Effectiveness Guide 165
CheckMate Verification System 11
Chromaview Special Stain Kits 114
Chromogens 169
Circular Coverslips 126
Circular Paraffin Section Flotation Bath 24
Citrus Clearing Solvent 89
Clarifier 1, 2 110
Clearing Agents 89
ClearVue Baskets 70
ClearVue Coverslip Hoppers 70
ClearVue Coverslipper 68
Colorfrost Plus Slides 84
Colorfrost Slides 84
Colourstack Filing Cabinets 74
Columbia Jar 107
Complete Staining Assemblies 101
Complete Staining Assembly 100 101
Complete Staining Assembly 110 101
Complete Staining Assembly 117 101
Complete Staining Assembly 121 102
Complete Staining Assembly 130 102
Consul No-Stick Coverslips 125
Consul-Mount 128
Cool Cut 47
Coplin Staining Jar 107
Cork Boards 100
Cork Disks 100
Cork Sheets 100
Count Down/Up Timer 107
Coverslip Staining Racks 103, 106
Coverslipping Forceps 126
Coverslipping Mountants 127
Coverslips 125
Cryochrome 131
Cryomatrix 131
Cryostat Accessories 43
Cryostat Blade Holders 39
Cryostat Consumables 129
Cryostat Range and Selection Guide 28
Cryotome 620E Cryostats 38
Cryotome FSE 34
CTM6 Automated Glass Coverslipper 71
Cytoblock Cell Block Preparation System 143
Cytoclip Stainless Steel Slide Clip 138
Cytofunnels 137
Cytology Consumables 142
Cytology Stains 141
CytoRich Red Collection Fluid 142
Cytoseal 60 128
Cytoseal XYL 128
Cytoslides 139
Cytospin 4 Cytocentrifuge 132
Cytospin Collection Fluid 142

D

Decalcifying Solution 90
Dehydrant 100, 95, 80, 70 89
Dehydrants 89
Digital Paraffin Section Flotation Bath 25
Disposable Base Moulds 93
Disposable Blades 62, 96
Disposable Dissecting Boards 100
Disposable Dissecting Pins 100
Dissection Scalpels and Blades 98
Double Cytofunnel 137
Double Cytoslides 139

Drawer Dividers 76
Dry Dyes & Dry Chemicals 124
Dry Powder Stains 123
Dyes and High Purity Chemicals 123

E

E Disposable Blade Holders 56
EA-50 Stain 141
EA-65 Stain 141
EC Disposable Blade Holder 39
EC70 Disposable Blade Holder 39
Elastic Stain 114
Embedding Cassettes 6, 80
Embryo Dishes 107
Eosin-Y Alcoholic, Eosin-Y with Phloxine 110
Eosin-Y 109, 112
ER Disposable Blade Holders 56
Ethyl Alcohol 123
EV Disposable Blade Holder 39
Excelsior ES Tissue Processor 14
EZ Cytofunnel Sample Chambers 135
EZ Double Cytofunnel 135
EZ Megafunnel with Cap and Slide 136
EZ Single Cytofunnel Bench Stand 136
EZ Single Cytofunnel with Brown Filter Cards 135
EZ Single Cytofunnel with White Filter Cards 135
EZ-Mount 127

F

Fast Flex Tissue Processing System 13
Filter Guide 164
Fine Cutting Tool 13
Finesse 325 Manual Microtome 52
Finesse ME+ Electronic Microtome 48
Fixation Products 86
Fix-Rite 2 140
Foam Dividers 76
Formaldehyde 37% (ACS) 123
Formal-Fixx 88
Frosted Slides 84
Frozen Section Staining Kit 130

G

General-Purpose Coverslips 125
Giemsa Stain 118
Gill 1, 2, 3 Haematoxylin 110
Gill Haematoxylin 1,2,3 111
Glass Rack 103
Glyo-Fixx 88
Gomori Trichrome (Blue Collagen) 117
Gomori Trichrome (Green Collagen) 117
Gram Stain (Tissue) 114
Gram Stain Kit (Film) 121
Gram Stain 121
Grossing Station Accessories 158
Grosslab Junior Bench Top Workstation 154
Grosslab Junior Stand-Alone Workstation 156
Grosslab Senior Pathology Workstation 151
Gross-Star Pathology Work Bench 149
Gross-Star Pathology Workstation 145

H

Haematology Stain Packs 120
Haematology Stains 118
Haematoxylin 1 109
Haematoxylin 2 109
Haematoxylin 7211 109
Haematoxylin 7212 109
Haematoxylin Comparison Chart 108
Harris Haematoxylin 111
Heavy-Duty Scalpel 98
Hellendahl Jar 107
High and Low Profile Disposable Blade Holders 56
High Capacity Section Dryer 26
High Capacity Wax Dispenser 23
High Profile Disposable Blade Holder 40
Hinged Plastic Slide Box 77
Hinged Slide Box 78
Histoclear and Histoclear II 89
HistoGel Specimen Processing Gel 87
Histoplast Paraffin PE, IM, LP 92
Histoplast 92
HistoScreen Cassette 8, 82
HistoStar Embedding Centre 21
HM325 Manual Microtome 51
HM340E Semi-Automated Microtome 50
HM355S Automated Microtome 45
HM430 Manual Sliding Microtome 54
HM450 Electronic Sliding Microtome 53
HM525 36
HM550 Cryostats 30
HM560 CryoStar Cryostat 32
HM650V Vibrating Blade Microtome 61
Horizontal Slide Filing Cabinets 73
HP35 Ultra 97
HP35 97
Hyperclean 1 160
Hyperclean 2 160
Hyperclean 20 161
Hyperclean 22 161
Hyperclean 36 162
Hyperclean 60 162
Hyperclean Series 160
Hyperclean Vent Adapter Kit 163

I

Ice-It 129
Immu-Mount 127
Immuno Slide Staining Trays 106
Instant Eosin 112
Instant Haematoxylin 111
Iron Stain 114
Isopropyl Alcohol (ACS) 123

J

Jenner Stain 119

K

Kuehne Coverglass Forceps 126
Kwik-Diff Stains 120

L

Lab Support Products 26
Laboratory Marker Pens 104
LambWax 92
Large Coverslips 126
Large Glass Trough with Glass Lid 103
Large Glass Trough with Stainless Steel Lid 104
Lens Tissue Booklets 126
Linistat Linear Stainer 67
Low Profile Disposable Blade Holder 40

M

M-1 Embedding Matrix 131
Manual Staining Station 67
Mark-It Tissue Marking Dyes 130
Mask Cytoslides 139
Masson Trichrome 116
May-Grunwald Stain 119
MB Dynasharp 97
MB22 Premier 97
Metal Block and Slide Storage 72
Methyl Alcohol (ACS) 123
Methyl Green-Pyronin Y 114
Microbiology Reagents 121
Microbiology Stains 121
Microscope Slides 84
Microtome Accessories 60
Microtome Blade Holders 55
Microtome Specimen Clamps 58
Mini Hot Plate 27
Modified Grocott's Methenamine 115
Modified Harris Haematoxylin 110
Modified Mayer's Haematoxylin 110
Moulds and Sprays 93
Mucicarmine 117
Mucolexx 142
MX35 Premier + ... 96
MX35 Premier 96
MX35 Ultra 96

N

Neg-50 Frozen Section Medium 129
Netmon Service 16
Neutral Buffered Formalin (10%) 86
Nickel-Plated Scalpel Blade Handle 98
Non-Standard Slides 85
Nu-Clear I 111
Nu-Clear II 111

O

Octospot Starter Packs 143
OG-6 Stain 141

P

Papanicolaou Stain EAs 140
Papanicolaou Stain OGs 140
PapSpin Gynaecological Test 144
Para Trimmer 25
Paraffin Section Flotation Bath 24
Paraffin Type 1, 3, 6, 9 92
Paraffin 91
ParaPel 93
Para-Release Spray 93
Pathcentre Tissue Processor 17
Peel-A-Way Disposable Embedding Moulds 93
Periodic Acid Schiff Kit (PAS) 118
Periodic Acid-Schiff (PAS) 115
Perspex Slide Rack 106
Phosphate Buffer (6.6, 7.2) 120
Plain Slides 85
Plastic Coplin Staining Jar 107
Plastic Disposable Cassette Lids 83
Plastic Scalpel Blade Handle 98
Plastic Slide Boxes 77, 78
Plastic Slide Folders 77
Plastic Slide Grip 105
Plastic Staining Dish, Cover and Rack 102
Plated Scalpel Blade Handle 98
PolarHeat Sheets 19
Polyacetal Troughs 104
Portable Staining Kits 122
Post Mortem Board Table 100
Post Mortem Board 100
Postal Slide Boxes 78

PrintMate Cassette Labellers 4
Processing Reagents 90
PT Module 168

R

R A Lamb DPX 127
R A Lamb Immersion Oil 122
R A Lamb Rapid Romanowsky Staining Kit 120
R A Lamb Staining Solutions 113
Rabbit Monoclonal Antibodies 170
Ralph Glass Blade Holder 57
Rapid-Chrome H & E Frozen Section Staining Kit 122
Rapid-Chrome Kwik-Diff Staining Kit 122
Rapid-Chrome Papanicolaou Staining Kit 122
Rapid-Fixx Formalin 87
Reagent Alcohol 90
Replacement Drawers and Archiving System 74
Reticulin Silver 116
Reticulocyte Stain 119

S

Schieferdecker Jar 107
Section Dryer 26
Section Flotation Baths 24
Section Transfer System 47
SEV Disposable Blade Holder with Anti-Roll Guide System 40
Shandon-Mount 127
Signature Series Clear-Rite 3 89
Signature Series Cyto-Stain 140
Signature Series Flex 100, 95, 80 89
Signature Series Mounting Medium 128
Signature Series Paraffin 92
Signature Series Pen-Fix 87
Signature Series Stains 109
Signature Series 125
Single Cytofunnel with White Filter Card 137
Single Cytoslides 139
Slide Drying Hot Plate 27
Slide Filing Location Slips 75
Slide Filing Wallets 76
Slide Holder 105
Slide Labels 105
Slide Mailers 79
Slide Preparation Excell Microscope Adhesion Slides 85
Slide Racks 105
Slide Tray Box and 9-Slide Tray 78
Slide Tray Racks and Aluminium Slide Trays 79
Slide Wallet Filing Cabinet 72
SlideMate 9
Slimline Digital Hotplate 27
Slimline Wax Dispenser 23
Slimsette "Micromesh" Cassette 8, 82
Slimsette Biopsy Cassette 8, 82
Slimsette Tissue Cassette 8, 82
Slotted Cassettes 7, 81
SM and SMV Standard Blade Holder 40
Small Glass Trough with Glass Lid 103
Small Glass Trough with Stainless Steel Lid 103
Solid Blade Holder 57
Solid Blade Holders C 57
Solutions 117
Special Stain Kits 118
Specimen Buckets 105
Specimen Staging Solutions 41
Sponges 95
Spring Spacers 75
Staining and Fixation Fluids 140
Staining Jars 107
Staining Rack Ends and Rods 106
Staining Reagents 111
Stainless Disposable Cassette Lids 83
Stainless Steel Base Moulds 93
Stainless Steel Fixed Handle Rack 103, 104
Stainless Steel Scalpel Blade Handle 98
Stainless Steel Swing Handle Rack 103
Stainless Steel Vertical Slide Rack 103, 104
StainMate Bi-linear Batch Stainer 66
Standard and Heavy-duty Wheel Base Stand 75
Standard Blade Holder 40
Standard Coverglass Thumb Forceps 126
Standard Solid Blade Holders N 57
Steel Slide Box 76
Steiner-Steiner Silver 116
Sterile Scalpel Blade, No. 11 98
Sterile Scalpel Blade, No. 21 98
STP 120 Spin Tissue Processor 20
STP 420ES Tissue Processor 12
Stretton Young Jar 107
SuperMega Stainless Steel Base Moulds 93
SuperMega Cassettes 83
Synthetic Mountant 128

T

TBD-1 Decalcifier 90
TBD-2 Decalcifier 90
Tetrachrome Blood Stain 119
Three-Step Stain 119
Tissue Marking Dyes 124
TissueLoc Biopsy Cassette (Cassette IV) 7, 81
TissueLoc Tissue Cassette (Cassette IV) 7, 81
TissueWave 2 Microwave Processor 18
Top Covers 75
Triangular Glass Blade Holder 57

U

UltraVision Quanto 169
Universal Blade Holder 41
Universal Solid Blade Holder 56

V

VA5 92
Varistain 24-4 Automatic Slide Stainer 65
Varistain Gemini ES Automated Slide Stainer 63
Vertical Slide Staining Rack 105
Vytac 87

W

Watchmakers Forceps 126
Wax Dispenser 23
Wright Stain 118
Wright-Giemsa Solution 119
Wright-Giemsa Stain 118

X

Xylene Substitute Mountant 127
Xylene Substitute 90
Xylene 90
Xylenes (ACS) 123

Z

Zinc Formal-Fixx 88
Zinc Formalin, Buffered 86

Numerical Index

Order No. Page No.

100

100 101
101 101
102 101
107 107
109 101
110 101
111 101
112 101
113 101,102
114 106
116 106
117 101
118 101
119 101
120 101,102
121 102
122 102
123 102
130 102
131 102
132 102
143 105
145 130
146 130
147 105,130
194 107
195 102
196 102

200

201 49,52,58
214 49,52,58
215 49,52,58
216 49,52,58
220 49,52,58
223 49,52,58

300

303 49,58
313 49,52,58
318 52,55
321 52,55
322 52,55

500

535 98

Order No. Page No.

600

603 42
620E 38

700

745 98

0600

0620-001 42
0620-007 42
0620-026 42
0620-036 42
0620-039 42
0620-041 42
0620-405 42

1000

1220 93
1310 131
1451 104
1606 79
1795 105
1830 93
1841 93
1910 35,38,43,49,52

2000

2219 93
2300 93
2801 164
2808 164

3000

3000 120
3005 120
3010 120
3011 120
3012 120
3111 118
3121 119
3300 119
3303 119
3313 119
3323 119

Order No. Page No.

3787 79

4000

4111 128
4112 128
4211 ..... 70, 128
4212 ..... 70, 128
4275H 13,99
4941 85

5000

5000 130
5000BK 130
5000BL 130
5000G 130
5000O 130
5000R 130
5000Y 130
5001 130
5324 98
5334 98
5401 87
5402 87
5405 87
5501 86
5700 86
5701 86
5701ZF 86
5705ZF 86
5705 86
5725 86
5941 85

6000

6101 87
6201 89
6301 89
6401 89
6501 89
6502 129
6502B 129
6502G 129
6502O 129
6502P 129
6502Y 129
6506 129
6506M 129
6901 89
6941 85

Order No. Page No.

7000

7111 109
7211 109
7212 109
7221 109
7231 109
7301 109
7341 109
7401 110
7402 110
7441 110
7442 110
7501G 140
7501R 140
7511 140
7941 85

8000

8101 89
8201 89
8301 89
8301R 89
8310-16 128
8310-4 128
8312-4 128
8323 129
8325 129
8330 92
8331 92
8332 92
8334 92
8335 92
8336 92
8337 92
8338 92
8339 92
8340 90
8340-1 90
8452 95
8941 85

9000

9000-1 123
9000-5 123
9000-55 123
9200-1 123
9200-5 123
9200-55 123

Order No.	Page No.
9300-1	123
9300-5	123
9300-55	123
9400-1	123
9400-5	123
9400-55	123
9500-1	123
9500-5	123
9500-55	123
9600-1	123
9600-5	123
9600-55	123
9800	13
9801	13
9802	13
9810	13
9813	13,99
9814	13,99
9815	13,99
9900-1	123
9900-5	123
9900-55	123

10000

10456	155,157
10486	153
10629	153,155,157
10661	153
12440S	125
12450S	125
12460S	125
19040	126
19060	126

20000

23145	130

40000

41720-T	7,81
41721-T	7,81
41722-T	7,81
41723-T	7,81
41724-T	7,81
41725-T	7,81
41727-T	7,81
41728-T	7,81
41729-T	7,81
41730-T	7,81
41740	93
41741	93
41742	93
41743	93
41744	93
41750-T	7,81
41751-T	7,81
41752-T	7,81
41753-T	7,81
41754-T	7,81
41755-T	7,81
41757-T	7,81
41758-T	7,81
41759-T	7,81
41760-T	7,81

50000

53221	98
53410	98
57211	87
58925	81
58926	81
58928	81
58929	81
58930	81
58931	81
58932	81
58933	81
58934	81
58935	81
58954	81
58955	81
58956	81
58957	81
58958	81
58959	81
58960	81
58961	81
58962	81
58964	81

70000

71204	110
71211	110
71304	110
71311	110
72411	110
72511	110
72611	110
72711	110
72804	110
75211	140
75311	140
75411	140
75504	140
75511	140
75604	140
75611	140
75704	140
75711	140
76150	140

80000

86010	117
86112	117
87003	114
87006	114
87007	115
87008	115
87009	116
87011	114
87012	117
87017	114
87018	114
87019	116
87020	117
87021	117
87023	115
87024	115
87025	116
87101	121
88000	114
88004	114
88005	114
88006	114
88007	114
88008	114
88009	114
88011	114
88012	114,117
88013	114
88014	114
88015	114
88016	115
88017	115
88018	115
88019	116
88021	116
88022	116
88023	115
88024	115,116
88025	115,116
88026	115,116
88028	116,117
88029	116,117
88030	117
88031	117
88033	116
88034	116
88035	116
88036	115
88037	117
88038	116,117
8803	116
88041	115
88042	115
88043	115
88045	116
88046	116
88047	116
88048	116
88049	116
88050	116
88051	116
88052	116
88054	116
88101	114,121
88102	114,121
88103	114,121
88104	114,121
88105	121
88106	117
88107	117
88108	117
88109	121
88110	121
88111	117
88112	121
88113	121
88114	117
88116	121
89002	118
89003	118
89004	118
89010	118
89011	118
89012	118
89013	118
89014	118
89017	118
89027	119
89028	119
89029	119
89030	119
89032	120
89033	120

90000

90017	123
90022	123
90049	123
956451D	31
956455D	31

Order No.	Page No.
956456D	31
956461D	31
956465D	31
956466D	31
956551D	31
956555D	31
956556D	31
956561D	31
956565D	31
956566D	31

100000

104268	147,153,155,157
104393	147,150,153,155,157
104404	153
105417	147,150,153,155,157
152160	53,54
152510	61
152520	61
152530	61
160030	31,33,37,43
171900	71
172540	71
172550	71
172560	71
172570	71
172580	71
172590	71
172600	71
172610	71
172750	71
172760	71
172780	71
172920	71
172930	71
172940	71
173000	71
173070	71
173120	71
173140	71
173150	71
175010	58
175190	33,43
184710	71

200000

231644	67
231645	67
231646	67
264130	12
281060	31,43
281070	31,43
281116	163,164
281128	163
281144	163
281160	163

300000

334160	31,33,37,43
334170	31,33,37,43
334180	31,33,37
350040	31,33,37,43
350070	31,33,37
350110	31,33
350110	37
350270	31,33,37

400000

440400	53,54
440410	53,54
448070	53,54
449980	31,33,43
449990	31,33,43

500000

502140	53,54
522500	31,37
524010	31
524490	37,43
524510	33,43
526510	12
532040	31
546060	31,46,50,51,58
546070	58
546080	51,59,46,50,59
546190	46,50,51
546200	46,50,51
546210	46,50,51
546270	46,50,51
556000	50
566640	33
566790	33,39
566810	33
566820	33
570380	31,33,37,42
570390	31,33,37,42
570400	31,33,17,42

600000

615190	50
624100	43
640280	60,61,
640380	46,50
648200	61
648210	61

700000

705200	53,54,55
705340	53,54,55
705430	53,54,55
705440	53,54,55
705460	31,37,39
705470	31,39
705490	53,54
705500	53,54
705580	31,39
705630	31,37,39
705710	33,39
705720	33,39
705800	46,50,51,55
705810	46,50,51,55
705820	46,50,51,55
705830	46,50,51,55
715010	46,50,51,58
715020	46,50,51,58
715030	58
715040	46,50,58
715060	46,50,51,59
715070	59
715080	59
715090	59
715100	46,50,51,59
715200	50
715220	37,41
715230	37,41
715280	59
715320	46,50,51,59
715360	59
715370	59
715380	59
715470	53,59
715480	53,59
715490	53,54,59
715500	54,59
715550	47
715560	46,50,51,58
715580	46,59
715590	46,50,51,59
715600	41
715610	41
715620	41
715630	41
715640	41
715690	37,43
715700	41
715710	41
715720	41
715730	41
715740	41
715750	41
715760	41
715800	61
715810	61
715820	61
716080	54,59
716090	54,59
716120	58
716130	46,50,58
755050	61
755120	46,50,51
755120	60
755130	60
755210	46,50,60
760160	46,50,51,60
760170	60,61
760317	61
760320	61
770170L	61
770180L	61
771110	47,60
771120	47,60
771190	47
771200	47,60

800000

813150	20
813160	20
860014	163,164

900000

902100	51
904010	50
905130	45
910010	54
910020	53
920120	61
956020	33
956030	33
956060	33
956070	33
956100	33
956130	33
956140	33
956170	33
956180	33
956210	33
956220	33
956320	33

Order No.	Page No.
956330	33
956360	33
956370	33
956451	31
956455	31
956456	31
956461	31
956465	31
956466	31
956551	31
956555	31
956556	31
956561	31
956565	31
956566	31
956621	36
956625	36
956626	36
956631	36
956635	36
956636	36
970010	71
980000	12
981000	53

1000000

1001003	6,7,80,81,83
1001618	155,157,164
1001622	143
1001623	143
1001624	125,143
1001641	143
1001642	143
1001643	143
1001644	143
1001645	143
1001646	143
1001647	143
1001649	143
1070214	147,153,155,157
1102547	137
1102548	137
1900231	127
1900233	127
1900331	127
1900333	127

2000000

2811428	163
2811444	163
2811460	163

Order No.	Page No.

3000000

3050822	97
3050836	97
3051835	96
3052835	96
3053835	96
3120027	98
3120030	98
3120057	23
3120058	24
3120059	24
3120061	27
3120063	27
3120064	26
3120069	23
3120070	24
3120071	24
3120073	27
3120074	27
3120075	26
3120110	133
3120123	124
3120124	124
3120125	124
3120126	124
3120127	124
3120128	124
3150734	97
3153735	97

5000000

5991022	138
5991023	138
5991039	137
5991040	137
5991043	137
5991051	139
5991054	139
5991055	139
5991056	139
5991057	139
5991059	139

6000000

6401015	93
6401016	93
6401017	93
6401018	93
6485601	160
6485602	160
6485620	161
6485622	161
6485636	162
6485660	162
6754002	67
6754003	67
6754004	67
6754005	67
6754006	67
6754007	67
6754008	67
6764001	90
6764002	90
6764003	90
6764004	90
6764212	87
6764240	88
6764250	88
6764254	88
6764255	88
6764260	88
6764262	88
6764265	88
6764506	90
6765001	111
6765002	111
6765003	111
6765004	111
6765005	111
6765006	111
6765007	111
6765008	111
6765009	111
6765010	111
6765015	111
6765040	112
6765540	112
6766001	141
6766002	141
6766003	141
6766004	141
6766005	141
6766006	141
6766007	112
6766008	112
6766009	112
6766010	112
6768001	142
6768315	142
6768326	142
6768350	144
6768351	144
6769001	111
6769002	111
6769006	131
6769007	128
6769008	111
6769009	111
6774006	92
6774009	94
6774009W	94
6774010	94
6774010W	94
6774011	94
6774011W	94
6774012	94
6774012W	94
6774013	94
6774013W	94
6774014	94
6774014W	94
6774015	94
6774015W	94
6774050	94
6774051	94
6774052	94
6774053	94
6774054	94
6774060	92
6776104	84
6776106	85
6776107	84
6776108	84
6776109	84
6776110	85
6776111	85
6776112	84
6776201	84
6776202	84
6776203	84
6776204	84
6776205	84
6776206	84
6776207	84
6776208	84
6776209	84
6776210	84
6776213	84
6776214	84
6776214CS	84
6776215	84
6776216	84
6776301	125
6776304	125
6776306	125
6776307	125
6776308	125
6776309	125
6776311	125
6776312	125

Order No.	Page No.
6776313	125
6776314	125
6776315	125
6776316	125
6776317	125
6776318	125
6776319	125
6776320	125
6776321	125
6776322	125
6776324	125
6776325	125

7000000

7401150	143
7401151	143
7411258	15,64,69,164
7411270	125
7411271	125
7411272	125
7411273	125
7411274	125
7411275	125
7411276	125
7411277	125
7411278	125
7411279	125
7411281	125
7411282	125
7860260	67

9000000

9600000	154
9600001	156
9600002	156
9600003	154
9600004	156
9600005	156
9700000	152
9700001	152
9700002	152
9700003	152
9800000	146
9800001	146
9800002	150
9800003	150
9800004	146
9800005	146
9800006	150
9800007	150
9990001	122
9990020	122
9990234	88
9990244	88
9990245	88
9990310	142
9990323	142
9990370	142
9990371	142
9990375	142
9990402	127
9990412	127
9990414	127
9990420	93
9990422	131
9990423	131
9990426	131
9990428	131
9990429	131
9990435	127
9990440	128
9990441	128
9990501	90
9990505	90
9990520	90
9990601	160
9990602	160
9990610	69,164
9990611	160,161,162,164
9990612	160,161,162,164
9990615	164
9990620	161
9990622	161
9990636	162
9990640	160,161,162,163
9990650	160
9990660	162
9990700	120
9990701	120
9990702	122
9990705	120
9990706	120
9990707	120
9990715	119
9990720	121
9990721	121
9990725	121
9990726	121
9990727	121
9990728	121
9990730	118
9990850	147,153,164
9990910	88
9990914	88
9990916	88
9990918	88
9990920	88
9990924	88
9990928	88
9991001	84
9991002	84
9991003	84
9991004	84
9991009	84
9991010	105
9991011	84
9991012	84
9991013	84
9991014	84
9991090	85
9991095	85
9999120	127
9999122	127

50000000

59910018	133
59910019	133
59910025	138
59910052	138

60000000

66610028	65

70000000

74200001	65
74200010	65
74210100	65
74210121	65
75200011	17
75200012	17
75200013	17
75200014	17
75200111	17
75200112	17
75200113	17
75200114	17
77210150	42
77210151	42
77210152	42
77210153	42
77210154	42
77510162	49
77510164	49,59
77510166	59
77510167	49,58
77510168	49,55
77510170	49,55
77510171	49,55
77510174	49
77510175	49
77510178	49,58
77510252	49,60
77510261	49,60
77510262	60

A Series

A67761142	85
A67761143	85
A67761144	85
A67761145	85
A67761146	85
A67761147	85
A67761223	85
A67761224	85
A67761225	85
A67761226	85
A67761327	126
A67761328	126
A67761329	126
A67761330	126
A67761331	126
A67761332	126
A67761333	126
A6776220	85
A77210155	42
A77500015	49
A77510181	49,58
A77510272	49,55
A77510275	49,55
A78000003	64
A78000004	64
A78000013	64
A78000014	64
A78010226	64
A78010403	64
A78010404	64
A78010467	64
A78010487	67
A78010489	67
A78010505	64
A78010510	64
A78100001	52
A78300002	133
A78310251	133
A78400006	15
A78410023	15
A78410024	15
A78410025	18
A78410026	15
A78410027	15
A78410029	15
A78410101	15

Order No.	Page No.
A78500001	67
A78710001	136
A78710003	135
A78710004	135
A78710005	135
A78710006	144
A78710013	133
A78710018	138
A78710020	135
A78710021	135
A78710022	136
A78900003	35
A78910014	35,38,43
A78910031	42
A78910032	35,38,39
A78910033	35,38,39
A78910036	35,38,43
A78910037	35,38,43
A78910039	35,38,43
A78910041	35,38,43
A78910047	35,38,39
A78910056	42
A78910057	42
A78910058	42
A78910075	35,38,43
A78930063	35,38,43
A78930121	35,38,43
A78930200	35,38,43
A79200001	69
A79210050	70
A79210051	70
A79210052	70
A79210053	70
A79210054	70
A79210064	70
A79210065	70
A79210066	70
A79210067	70
A79210068	70
A79210069	70
A79210070	70
A79210072	70
A79210073	70
A79210079	69
A79210080	69
A79210081	69
A79230229	69
A79230230	69
A79500001	5
A79500002	5
A79500003	5
A79500004	5
A79500005	5
A79500006	5
A79510013	5
A79510014	5
A79510022	5
A79510023	5
A79510024	5
A80400011	168
A80400012	168
A80510041	167
A80510042	167
A80510083	167
A80510084	167
A81000001	22
A81000002	22
A81000003	22
A81000004	22
A81000005	22
A81000006	22
A81000007	22
A81000008	22
A81010026	22
A81010030	22
A81010031	22
A81010032	22
A81010033	22
A81010034	22
A81010035	22
A81010036	22
A82110005	27
A82610024	106
A82610060	80
A82610061	80
A82610062	80
A82610063	80
A82610064	80
A82610065	80
A82610066	80
A82610067	80
A82610068	80
A82610069	80
A82610070	80
A82610071	80
A82610072	80
A82610073	80
A82610074	80
A82610075	80
A82610076	80
A82610077	80
A82610078	80
A82610079	80
A82610080	81
A82610081	81
A82610082	81
A82610083	81
A82610084	81
A82610085	81
A82610086	81
A82610087	81
A82610088	81
A82610089	81
A82610090	6,80
A82610091	6,80
A82610092	6,80
A82610093	6,80
A82610094	6,80
A82610095	6,80
A82610096	6,80
A82610097	6,80
A82610098	6,80
A82610099	6,80
A82610100	6,80
A82610101	6,80
A82610102	6,80
A82610103	6,80
A82610104	6,80
A82610105	6,80
A82610106	6,80
A82610107	6,80
A82610108	6,80
A82610109	6,80
A82610110	7,81
A82610111	7,81
A82610112	7,81
A82610113	7,81
A82610114	7,81
A82610115	7,81
A82610116	7,81
A82610117	7,81
A82610118	7,81
A82610119	7,81
AP16629	22

B Series

Order No.	Page No.
B1000152	76
B1000200	67
B1000201	67
B1000223	67
B1000734AQ	8,82
B1000734BL	8,82
B1000734GR	8,82
B1000734GY	8,82
B1000734LI	8,82
B1000734OR	8,82
B1000734PE	8,82
B1000734PK	8,82
B1000734TN	8,82
B1000734WH	8,82
B1000734YW	8,82
B1000735AQ	82
B1000735BL	82
B1000735GR	82
B1000735GY	82
B1000735LI	82
B1000735OR	82
B1000735PE	82
B1000735PK	82
B1000735TN	82
B1000735WH	82
B1000735YW	82
B1000736AQ	8,82
B1000736BL	8,82
B1000736GR	8,82
B1000736GY	8,82
B1000736LI	8,82
B1000736OR	8,82
B1000736PE	8,82
B1000736PK	8,82
B1000736TN	8,82
B1000736WH	8,82
B1000736YW	8,82
B1000737AQ	8,82
B1000737BL	8,82
B1000737GR	8,82
B1000737GY	8,82
B1000737LI	8,82
B1000737OR	8,82
B1000737PE	8,82
B1000737PK	8,82
B1000737TN	8,82
B1000737WH	8,82
B1000737YW	8,82
B10011405	155
B1001200BL	77
B1001200GR	77
B1001200GY	77
B1001200WH	77
B1001200YW	77
B1001405	157
B1003279	147,150,153,155,157
B1003368	64
B10708	153
B12036	147,153,155,157
B1780	77
B1781	77
B1782	77
B1783	77
B1784	77
B1785	77
B1786	77
B1787	77
B1788	77
B21110	147
B21111	157
B21112	157
B21115	147,150,153,147,157
B21126	147

Order No.	Page No.
B21200	147,150,153,155,157
B21202	147,150
B21203	147
B21211	150
B21215	147
B21228	155
B21229	153
B21231	155
B21232	155,157
B21233	155
B21234	155
B21235	155
B21237	155,157
B21238	157
B21239	157
B21240	157
B21241	157
B21242	157
B21243	157
B24200-250	118
B3120202	26
B3120202SH	26
B3120203	26
B3120205	25
B3120206	25
B35210007	15
B35240070	18
B35310006	5,10
B35310012	10
B35310040	11
B35310041	11
B35310042	11
B35310043	11
B35600001	18
B35600002	18
B35610001	19
B35610002	19
B35610003	19
B36115	147,150,153,155,157
B5991050	139
B81300006	10
B81300007	10
B81300008	10
B81300020	10
B81300021	10
B81300022	10
B81300023	10
B81300028	10
B81300029	10
B81300030	10
B81300031	10
B81300032	10
B81300033	10,5
B81310001	10
B81310004	10
B81310005	10
B81310019	10
B81310022	10
B81320041	10
B81320043	10
B9990612CS	15
B9990800	142
B9990801	142
B9990802	142
B9990803	142

C Series

Order No.	Page No.
C-1000-AQ	82
C-1000-BL	82
C-1000-GR	82
C-1000-GY	82
C-1000-LI	82
C-1000-OR	82
C-1000-PK	82
C-1000-TN	82
C-1000-WH	82
C-1000-YW	82
C1003446	147,150,153,155,157
C1003447	147,150,153,155,157
C-750-AQ	8,82
C-750-BL	8,82
C-750-GR	8,82
C-750-GY	8,82
C-750-LI	8,82
C-750-OR	8,82
C-750-PK	8,82
C-750-TN	8,82
C-750-WH	8,82
C-750-YW	8,82
C76	124
C78/2-G	89
C78-G	89

E Series

Order No.	Page No.
E10/7	95
E10/75/BLUE	95
E10/87	95
E10/87/B	95
E10/AQUA	80
E10/B/AQUA	80
E10/B/BLUE	80
E10/B/GREEN	80
E10/B/GREY	80
E10/B/LID	6,80,83
E10/B/LILAC	80
E10/B/ORANGE	80
E10/B/PINK	80
E10/B/TAN	80
E10/B/WHITE	80
E10/B/YELLOW	80
E10/BLUE	80
E10/BMW/AQUA	6,80
E10/BMW/BLUE	6,80
E10/BMW/GREEN	6,80
E10/BMW/GREY	6,80
E10/BMW/LILAC	6,80
E10/BMW/ORANGE	6,80
E10/BMW/PINK	6,80
E10/BMW/TAN	6,80
E10/BMW/WHITE	6,80
E10/BMW/YELLOW	6,80
E10/GREEN	80
E10/GREY	80
E10/LID	6,80,83
E10/LILAC	80
E10/M7	93
E10/M8	93
E10/MW/AQUA	6,80
E10/MW/BLUE	6,80
E10/MW/GREEN	6,80
E10/MW/GREY	6,80
E10/MW/LILAC	6,80
E10/MW/ORANGE	6,80
E10/MW/PINK	6,80
E10/MW/TAN	6,80
E10/MW/WHITE	6,80
E10/MW/YELLOW	6,80
E10/ORANGE	80
E10/PINK	80
E10/S/AQUA	81
E10/S/BLUE	81
E10/S/GREEN	81
E10/S/GREY	81
E10/S/LID	7,81,83
E10/S/LILAC	81
E10/S/ORANGE	81
E10/S/PINK	81
E10/S/TAN	81
E10/S/WHITE	81
E10/S/YELLOW	81
E10/SMW/AQUA	7,81
E10/SMW/BLUE	7,81
E10/SMW/GREEN	7,81
E10/SMW/GREY	7,81
E10/SMW/LILAC	7,81
E10/SMW/ORANGE	7,81
E10/SMW/PINK	7,81
E10/SMW/TAN	7,81
E10/SMW/WHITE	7,81
E10/SMW/YELLOW	7,81
E10/TAN	80
E10/WHITE	80
E10/YELLOW	80
E100	103
E102	103
E102/25	104
E102/5	103,104
E102/6	103,104
E103	103,106
E103/3	106
E103/S/PKIT	66
E103/S/TAP	66
E103/S10L	66
E103/S10L/FH	66
E103/S10S	66
E103/S10S/FH	66
E103/SL/B2	66
E103/SL/BL2	66
E103/SL/D	66
E103/SL/EXTB	66
E103/SL/R30	66
E103/SL/R30A	66
E103/SL/WB	66
E103/SS/B	66
E103/SS/BL	66
E103/SS/D	66
E103/SS/EXTB	66
E103/SS/R	66
E103/SS/WB	66
E104	107
E105	103
E106	103
E106/7	103
E106/9	104
E107	104
E107/53/CDUT	107
E10SM/BLUE	83
E10SM/GREEN	83
E10SM/PINK	83
E10SM/WHITE	83
E10SM/YELLOW	83
E16/2	126
E16/3	126
E16/4	126
E16/5	126
E18/1SL	27
E18/1SL/120	27
E18/37/10	99
E18/37/12	99
E18/37/4	99
E18/37/6	99
E18/37/8	99
E19	126
E22/01/A250/B	104
E22/01/A70/B	104
E22/01/A700/B	104
E30/1	105

Order No.	Page No.
E32	78
E32/6	78
E36	78
E37	78
E38	78
E39	78
E40/5	77
E43/10BLUE	72
E43/10GREEN	72
E43/10GREY	72
E43/11	76
E43/12BLUE	73
E43/12C/AQUA	74
E43/12C/BLUE	74
E43/12C/GREEN	74
E43/12C/GREY	74
E43/12C/LILAC	74
E43/12C/ORANGE	74
E43/12C/PINK	74
E43/12C/TAN	74
E43/12C/WHITE	74
E43/12C/YELLOW	74
E43/12CD/AQUA	74
E43/12CD/BLUE	74
E43/12CD/GREEN	74
E43/12CD/GREY	74
E43/12CD/LILAC	74
E43/12CD/ORANGE	74
E43/12CD/PINK	74
E43/12CD/TAN	74
E43/12CD/WHITE	74
E43/12CD/YELLOW	74
E43/12GREEN	73
E43/12GREY	73
E43/12MINI	73
E43/13BLUE	73
E43/13GREEN	73
E43/13GREY	73
E43/13MINI	73
E43/14BLUE	75
E43/14C	75
E43/14GREEN	75
E43/14GREY	75
E43/14MINI	75
E43/15	75
E43/15HDWB	75
E43/15MINI	75
E43/16	75
E43/16MINI	75
E43/17	75
E43/21	76
E43/22/B	76
E43/22BLUE	72
E43/22GREEN	72
E43/22GREY	72

Order No.	Page No.
E43/22MINI	72
E43/25	75
E43/26	75
E43/27	75
E43/33BLUE	73
E43/33GREEN	73
E43/33GREY	73
E43/33MINI	73
E44	79
E45	79
E45/10	79
E45/20	79
E45/SR10	79
E45/SR5	79
E48/5	76
E49	78
E6/3	79
E65D/120	25
E65D/230	25
E66HC/120	23
E66HC/230	23
E66SLD/120	23
E66SLD/230	23
E7/15/CD	100
E7/28	100
E7/3	100
E7/35	100
E7/4	100
E7/5	100
E7/7	100
E7/7T	100
E89	105
E89/055	106
E89/11	105
E89/12	105
E89/13	105
E89/14	105
E89/16	105
E9/1	100
E90	107
E91	107
E93	107
E94	107
E95	107
E96	107
E97/5	103
E98	103
E99	104

H Series

Order No.	Page No.
HG-2050-2	87
HG-4000-012	87
HG-4000-144	87

Order No.	Page No.

L Series

Order No.	Page No.
LAMB/010-D	113
LAMB/020-D	113
LAMB/030-C	113
LAMB/040-D	113
LAMB/050-D	113
LAMB/060-C	113
LAMB/070-D	113
LAMB/080-D	113
LAMB/100-D	113
LAMB/110-D	113
LAMB/120-D	113
LAMB/130-D	113
LAMB/170-D	113
LAMB/190-D	113
LAMB/230-D	113
LAMB/240-D	113
LAMB/250-C	113
LAMB/260-C	113
LAMB/270-D	113
LAMB/280-D	113
LAMB/290-D	113
LAMB/310-D	113
LAMB/320-C	113
LAMB/340-C	113
LAMB/350-D	113
LAMB/360-C	113
LAMB/370-D	113
LAMB/380-D	113
LAMB/400-D	113
LAMB/410-D	113
LAMB/520-D	113
LAMB/540-A	113
LAMB/550-A	113
LAMB/610-K	120
LAMB/DPX	127
LAMB/OIL	122

P Series

Order No.	Page No.
P12257	35,38,43,69
P12940	35,38,43

R Series

Order No.	Page No.
RM-2100	170
RM-2101	170
RM-2102	170
RM-2103	170
RM-2104	170
RM-2106	170
RM-2107	170
RM-2108	170
RM-2109	170
RM-2111	170
RM-2112	170
RM-2113	170
RM-2116	170
RM-9101	170
RM-9102	170
RM-9103	170
RM-9104	170
RM-9105	170
RM-9106	170
RM-9107	170
RM-9108	170
RM-9111	170
RM-9112	170
RM-9113	170
RM-9115	170
RM-9116	170
RM-9117	170
RM-9118	170
RM-9119	170
RM-9120	170
RM-9121	170
RM-9123	170
RM-9128	170
RM-9130	170
RM-9131	170
RM-9132	170
RM-9133	170

S Series

Order No.	Page No.
S100-0	124
S100-2	124
S101-2	124
S102-2	124
S114-2	124
S115-3	124
S142-2	124
S16-2	124
S163-2	124
S164-2	124
S168-2	124
S169.5-2	124
S172-2	124
S176-2	124
S178-2	124
S178-3	124
S194-2	124
S197-2	124
S205-2	124
S208-2	124
S210-2	124
S212-2	124

Order No. Page No.

S225-5 124
S23-2 124
S254-2 124
S265-2 124
S267-2 124
S269-2 124
S271-0 124
S287-2 124
S289-2 124
S305-2 124
S309-2 124
S338-2 124
S345-2 124
S52-2 124
S6-2 124
S75-1 124
S82-2 124
S87-2 124

T Series

TA-060-AL 169
TA-060-QHDX 169
TA-060-SA 169
TA-125-AL 169
TA-125-QHDX 169
TA-125-SA 169
TL-060-QAL 169
TL-060-QHD 169
TL-060-QHL 169
TL-125-QAL 169
TL-125-QHD 169
TL-125-QHL 169

W Series

W1 92
W11/4 92

Thermo SCIENTIFIC

Notes

Thermo
SCIENTIFIC

Before You Order

In order to enable us to provide the most efficient service possible, please have the following information ready when ordering:

1. Your Thermo Scientific Anatomical Pathology Account Number.

   If you are unsure of your account number, one of our frioendly Customer Service Representatives will be happy to provide it to you.

2. Your complete billing and shipping addresses.

3. Catalogue order numbers, product names, units of measure and product quantities.

4. Any special shipping instructions.

5. The full name of the contact person and a phone number.

Terms and Conditions

Please contact your local sales office for details.

Note: Thermo Scientific Anatomical Pathology accepts

IMPORTANT

To order quickly, please have this information ready:

Thermo Scientific Anatomical Pathology Account Number	
Your Sales Representative	Phone
Billing Address	
Shipping Address	
Special Shipping Instructions	
Contact Person	Phone

Customer Service	Quotations Department	Service Department	Product Specialists
United Kingdom			
Tel: +44 (0) 800 018 9396	Tel: +44 (0) 800 018 9396	Tel: +44 (0) 800 169 5694	Tel: +44 (0) 1928 534281
Germany			
Tel: +49 (0) 6103 408 1023	Tel: +49 (0) 6103 408 1013	Tel: +49 (0) 6103 408 1276	Tel: +49 (0) 6103 408 1276
France			
Tel: +33 (0) 1 34 32 51 10	Tel: +33 (0) 1 34 32 51 10	Tel: +33 (0) 1 34 32 51 15	Tel: +33 (0) 1 34 32 51 10

www.thermoscientific.com/pathology

sales.ap.uk@thermofisher.com

Australia

Unit 5, 2 Railway Parade
Lidcombe, NSW 2141
Toll Free: 1 (800) 333 110
Phone: +61 2 9649 9599
Fax: +61 3 9790 4155

Benelux

Takkebijsters 1
4817 BL Breda
Phone: +31 (0) 76 587 98 88
Fax: +31 (0) 76 581 65 20

China

Building 6
No. 27 Xin Jinqiao Road
Shanghai 201206
Phone: +86 21 6865 4588
Fax: +86 21 6865 4583

France

Eragny Parc
Immeuble Minnesota
BP 50249
95 615 Cergy Pontoise Cedex
Phone: +33 (0) 1 34 32 51 10
Fax: +33 (0) 1 34 32 51 01

Germany

Im Steingrund 4 - 6
63303 Dreieich
Phone: +49 (0) 6103/408-1023
Fax: +49 (0) 6103/408-1636

Hong Kong

Unit 11 - 15, 9/F, Tower 1
Grand Central Plaza
138 Shatin Rural Commitee Road
Shatin, New Territories
Hong Kong
Phone: +852 2885 4613
Fax: +852 2567 4447

Japan

Yasudasoko #C Building
3-9-C Moriya-Cho
Kanagawa-ku
Yokohama 221-0022
Phone: +81 45 453 9229
Fax: +81 45 453 9222

United Kingdom

Tudor Road, Manor Park
Runcorn, WA7 1TA
Toll Free: 0800 018 9396
Phone: +44 (0) 1928 534 000
Fax: +44 (0) 1928 534 049

A809M0135_01

Thermo SCIENTIFIC